1	PROCESSES	16	FOUNTAINS OR DRINKING TUBES AND
2.1	.Of weather control or	17	STRAWS Ornamental
	modification		
2.2	Snowmaking	18	With illuminating means
3	.Including electrostatic charging	19	With ground distributing means
4	.Vibratory or magneto-strictive	0.0	(e.g., lawn sprinklers)
	projecting	20	With recirculating means
5	.Of fuel injection	21	With reversible feed and waste
6	.Involving slow diffusion		chambers
7	.Including centrifugal force or	22	Fluid pressure discharging
	spattering		means (e.g., aspirating)
8	.Including mixing or combining	23	Liquid pump, pulsator or follower
0	with air, gas or steam	24	.Drinking
9	And additional dissolving or	25	With or for attachment to
	entraining of material in	20	faucet
1.0	liquid stream	26	Swivelly mounted single outlet
10	.Including dissolving or	20	means
1.1	entraining in liquid stream	27	Swingable into or out of
11	.Of discharge modification of	27	deflecting position
12	flow varyingInvolving drinking or	28	With catch basing
12		29	With flow line valve
1 2	ornamental fountains	29.3	Portable, or with self-
13	.Including heating or cooling	20.0	contained liquid holder
14.1	WEATHER CONTROL	29.5	Leg or foot actuated valve
14.2	.Snowmaking	27.5	operator
690	ELECTROSTATIC TYPE	30	Extensible or flexible bubbler
690.1	.Induction charging	30	nozzle
691	.With automatic safety feature	31	Converging jets or bubblers
692	.With electrogasdynamic generator	31	(e.g., bubble cups)
	in spray device	32	With self-closing discharge
693	.Spray device recovers unused	J Z	valve
694	particles	33	Portable drinking tubes and
	.With cyclical movable support		straws
695	.Plural spray devices	34	SLOW DIFFUSERS
696	.Having plural exit openings	35	.With empty or refill signal or
697	.Fixed member deflects exiting		indicator
600	material	36	.Garment or body attached
698	Forward of nozzle	37	.Gravity flow of liquid from
699	.With impeller (e.g., vibrator)	3 /	supply holder
700	Rotary	38	Free drip to open holder
701	With spray portion intercept member	39	Barometric flow to secondary
702	With axially spaced impeller		holder
	surfaces	40	Drip discharge from secondary
703	Dish- or cone-shaped impeller		holder
704	.With fluid entrainment	41	To porous distributor to
705	With air outlet forward of		atmosphere
	material outlet	42	Porous distributor to
706	With charging electrode mounted		atmosphere
, , ,	on spray device	43	To porous distributor exposed
707	Extending forward of material		to atmosphere
707	outlet	44	.With wick or absorbent means
708	Pressurized spray material		removing liquid from holder
, 00	.rrcpsurrzed spray materiar		

45	Serially arranged wicks or absorbent means	73	.Position or extent of motion indicator
46	With means for drip escape from casing	74	.With spray material quantity or flow indicating means (e.g.,
47	Nonuse housing or casing		sight gauge)
	arrangement (e.g., stored in	75	WITH VISCOSITY OR TEMPERATURE
	supply)		RESPONSIVE CONTROL MEANS
48	Reel-type storage	76	WITH PRESSURE OR FLOW
49	With flow varying means		EQUALIZATION MEANS TO PLURAL
50	Relatively movable wick and		DISTRIBUTORS
30	supply for discharge or	77	ORCHARD-TYPE MOBILE DISTRIBUTOR
	adjustment		COMPRISING FLUENT DISCHARGED
51	With means for drip escape from		INTO GASEOUS CONVEYING CURRENT
JI	holder	78	.With current directing louvers
51.5	In housing having multiported	79	WITH MEANS FUSING SOLID SPRAY
JI.J		1 )	MATERIAL AT DISCHARGE MEANS
	wall spaced from absorbent	80	
52	means	60	.Plural supply means for solid
	Reel or spool type support means	0.1	spray materials
53	Liquid supply in absorbent or	81	.Electric arc, spark plug or
- A	porous media only	0.0	induction heating
54	Rigid solid form media	82	.Nozzle with molten pool holder
55	With enclosing casing	83	.Wire or rod type supply
56	Pad type	84	Moving feeder for fusible wire
57	.With support for porous or		or rod
	apertured encasing means	85	.With supply holder for fusible
58	.With means to adjust casing porosity or openings		<pre>material (e.g., pulverulent solids)</pre>
59	By alignment of apertured	86	INJECTION NOZZLE HAVING CAPILLARY
	members		TYPE FEED PASSAGES
60	.Solid form vaporizable material	87	INJECTION NOZZLE HAVING PLUNGER
61	WITH SELECTIVE PROPORTIONING OR		OR VALVE CONTROLLED BY
	CORRELATED FLOW FOR PLURAL FLUIDS		PRESSURE BEYOND NOZZLE OUTLET (E.G., COMPRESSION PRESSURE
62	.Having traversing motion	0.0	OPERATED)
	responsive means	88	UNITARY INJECTION NOZZLE AND PUMP
63	WITH CUTOFF OR FLOW VARYING MEANS		OR ACCUMULATOR PLUNGER
	OPERATED BY MEANS RESPONSIVE	89	.Accumulator plunger biased to
	TO DISCHARGED FLUID (E.G.,		discharge fluid
	GROUND MOISTURE SENSING)	90	.Plunger interconnected or
64	.With overriding second control		mounted bypass
	means	91	.Plunger interconnected or
65	.By level or weight in testing		mounted valve (e.g., outlet
	receiver		valve)
66	SERIALLY OPERATED DISTRIBUTION	92	.Fluid operated plunger motor
	MEANS	93	FLOW REGULATOR OPERATED
67	WITH SELECTIVELY PRESET FLOW		CONCURRENTLY WITH INTERMITTENT
	CUTOFF OR INITIATING MEANS		FLUID PUMP
68	.By rate of flow or volume means	94	.Plural motor surfaces on flow
69	.By programming means		regulator (e.g., opposed)
70	.Timer means	95	UNITARY INJECTION NOZZLE AND
71	WITH SIGNALS, INDICATORS,		VALVE WITH CONTINUOUSLY
	RECORDERS, METERS OR		INTERMITTENT OPERATOR
	CHANGEABLE EXHIBITORS		
72	.Audible		
, 4	•11441010		

96	INJECTION NOZZLE OPENED BY RELIEVING SUPPLY (E.G.,	673	Plural scatterers receiving material axially
97	ACCUMULATOR TYPE) PATTERN CONTROL BY SYNCHRONIZING	674	Feed means outside of primary supply container
	FLOW REGULATOR MEANS WITH	675	Screw conveyor
	CYCLICALLY MOVING DISTRIBUTOR	676	Including movable gate, barrier
98	.Plural outlets with abutment		or valve upstream of scatterer
	operated flow diverter	677	Speed varying means for driven
650	CONTAINER FOR NON-FLUID MATERIAL,		scatterer or feed
	AND SCATTERING MEANS	678	Limit means stopping feed
651	.With loading or loading facilitating means	679	Rotating scatterer receiving material peripherally
652	.Scattering by direct manual movement	680	Rotating feed or strewing unit (e.g., beater, etc.) upstream
653	.Body supported		of scatterer
654	.With means generating or	681	.Rotating scatterer
	supplying gaseous mixing	682	Plural
	current	683	Including agitating means
655	Laterally extending scatter unit	684	Including specific driving means
656	.Scatterer fed by plural	685	From ground wheel
	containers	686	Manual or pedal
657	<pre>.Container tilted for discharge   (e.g., dump truck, etc.)</pre>	687	Scatterer receives material axially
658	.Scattering means is flail	688	Scatterer has radially
659	.Scattering means has to and fro		directed tube
	<pre>movement (e.g., vibratory, etc.)</pre>	689	.Scatterer is tubular or in surrounding housing
660	.With overload release or relief	99	WITH MEANS CAUSING INTERMITTENT
661	.With means for mounting on		INTERRUPTION OF SUPPLY TO
662	tractor .With feature relating to liquid		DISTRIBUTOR MEANS (I.E., ON-OFF)
	material	100	.Ground wheel controlled
663	.Convertible or combined		intermitter
664	.Ambulant container and laterally	101	WITH MEANS FOR FLUCTUATING FLOW
	extending scatterer		OR PRESSURE OF FLUID SUPPLIED
665	.Including means varying scatter		TO DISTRIBUTOR MEANS
666	pattern of rotating scattererAdjustable deflector	102.1	WITH MEANS TO VIBRATE OR JIGGLE DISCHARGE
667	.Plural, rotary scatterers, on	102.2	.By electric transducer (e.g.,
	intersecting axes or coaxial		piezoelectric crystal)
	and counter rotating	103	NOZZLE CARRIED APERTURED SHIELD
668	.Hopper and gravity discharge to		AND COLLECTOR
	scatterer receiving material peripherally	104	WITH CLEANING MEANS, DRIP COLLECTING, WASTE DISPOSAL OR
669	Scatterer at least partially within hopper		SOIL PREVENTING GUARDS OR SHIELDS
670	.Drive from vehicle motor power	105	.Soil preventing gas shield
671	take off .Including raking type conveyor	106	.Nozzle cleaner, flusher or drainer
	moving material toward	107	With means for enlarging spray
	scatterer	-	openings beyond normal
672	.Including driven conveyor or		operating position
	follower feeding material horizontally towards scatterer	108	With separate fluid reacting
			surface

109	Reduction of fluid pressure affects opening (e.g., self-	132.5	Coolant is spray fluid or is added to spray fluid
110	draining showers)With separate drain or access	133	.Spray terminal carrying member
110	opening	134	carriers heater
111	Absence of fluid pressure	134	With additional upstream heating means
T T T	opens drain	135	3
112	_		.Heating means
112	With diverted system fluid or	136	Vapor generator
113	nonspraying fluid for cleaning	137	Plural fluids through outlet
113	System fluid diverted	120	means
114	Solid scraping or clearing member	138	One an aspirating fluid for discharge
115	Member and nozzle mounted for relative motion	139	Spaced jacket or compartment for heating fluid
116	Member is in flow line	140	WITH MEANS MOVABLY MOUNTING
117	Member moves through spray opening		SUPPLY MEANS FOR DISCHARGING CONTENTS
118	By fluid pressure	141	.Rotating tank type
119	Return or reverse flow from	142	WITH AGITATION OF SUPPLY MEANS
	outlet	143	.Gas agitation
120	.Waste disposal or drip	144	.Movably mounted tank or tank
120	collecting	777	part (e.g., vibratory type)
121	Drip cup or trough	145	POROUS OR EXTERNAL WICK DISCHARGE
122	Combined with deflector	143	MEANS
123	combined with deflector .Solid scraping or clearing	152	BODY OR ANIMAL CARRIED
123	member	153	.Body contour feature
124	WITH SYSTEM FLUID RELIEF OR	154	.Hand manipulated discharge means
124	RETURN TO SUPPLY	146	WITH MOBILE TANK-TYPE SUPPLY
125	Recirculation within nozzle	140	MEANS
123	(e.g., burner nozzle cooling)	147	
126	By pressure responsive means	147	.Ground traversing wheel-form
120		148	supply tank
127	(e.g., to sump or atmosphere)	148	.With means replenishing system
127	Return from liquid pump outlet	1.40	supply
	<pre>to supply holder (e.g., tank filling, mixing or pump unloading)</pre>	149	.With means movably mounting supply container relative to its support
127.1	REACTION MOTOR DISCHARGE NOZZLE	150	.With spray deflecting or
127.1	WITH JACKETED OR HOLLOW	130	compressing means (e.g.,
	PORTION FOR COOLING FLUID FLOW		striping)
127.3	.With subsequent mixing in main	151	By gas stream means
12,13	discharge stream in or	155	.Operational means interconnected
	downstream of nozzle	133	with ground traverse
128	WITH HEATING OR COOLING MEANS FOR	156	Ground wheel operated discharge
120	THE SYSTEM OR SYSTEM FLUID	130	means or controller
129	.Employing waste heat or exhaust	157	Ground wheel operated pump
130	gases	158	Gas pressure pump
	.Vehicle mounted heater and spray device	159	.Spray boom or bar type distributor
131	With plural fluids through outlet means	160	With motor means imparting movement to distributor during
132	.In terminal element (e.g.,		use
	injection nozzle cooling)	161	Plural bars or booms
132.1	Heat exchange fluid	162	Plural spray heads
132.3	Cooling of terminal element		individually mounted for motion

163	Plural diverse bars or booms	744	Propelling means
164	Adjustable distributor	745	Reel take-up
165	Extensible or telescoping boom	746	Intermittent grip or inching
166	Plural sections articulated or		type
	pivotally mounted	747	Fluid motor or spray fluid
167	Symmetrically disposed	, 1,	operated
107	outboard of carrier	748	-
1.60		_	Supply line traversing means
168	With central section	749	Hydrant coupling
169	Flexible coupling section to	750	.Track or guideway
	distributor	751	Overhead type
170	Having means to selectively	752	Reciprocating
	control discharge paths	753	With extensible support
171	.Aircraft carried	754	.Jet directed toward or along
172	.Vehicle drawn or carried		supporting surface (e.g., lawn
173	Track guided (e.g., rolling		rakes)
	stock)	193	DISTRIBUTOR HAVING OVERFLOW
174	Locomotive cab type		DISCHARGE (E.G., WEIR TYPE)
	attachments	194	.Escape to fluid conveying
175	With flexible coupling section	101	current
176	.Adjustable distributor	195	FLEXIBLE FLOW LINE OR OUTLET
722	MOBILE DISTRIBUTOR	193	STORAGE OR RETRIEVAL MEANS
723		196	.Flow control responsive to flow
_	.Irrigation device	190	-
724	Open pond or ditch type supply		line, outlet or storage means
725	Floating distribution means	107	movement
726	Nozzles spaced along mobile	197	.With retrieval facilitating
	pipeline	100	means
727	Including additive supply	198	Reel and ground supported frame
	means	200	WITH FIXED SUPPORT FOR OR GROUND
700	Center pivot		INSTALLED SUPPLY MEANS (E.G.,
728	Center proc		-
728 729	With noncircular coverage		STATIC CONSTRUCTIONAL
	_		STATIC CONSTRUCTIONAL INSTALLATIONS)
729	With noncircular coverage	201	STATIC CONSTRUCTIONAL
729	With noncircular coverageIncluding means allowing	202	STATIC CONSTRUCTIONAL INSTALLATIONS)
729	With noncircular coverageIncluding means allowing articulation of adjacent pipe	-	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler
729 730	With noncircular coverageIncluding means allowing articulation of adjacent pipe sections	202	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installed
729 730	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignment	202	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating
729 730 731	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing	202 203	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating means
729 730 731	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignment	202 203	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to
729 730 731 732	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sections	202 203 204	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluid
729 730 731	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect	202 203 204	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retraction
729 730 731 732	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignment	202 203 204 205	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously
729 730 731 732 733 734	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubes	202 203 204 205	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying
729 730 731 732 733 734 735	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling means	202 203 204 205 206	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected
729 730 731 732 733 734 735 736	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-up	202 203 204 205 206 207	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow
729 730 731 732 733 734 735 736 737	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime mover	202 203 204 205 206 207 208	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building features
729 730 731 732 733 734 735 736	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid	202 203 204 205 206 207	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted
729 730 731 732 733 734 735 736 737 738	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operated	202 203 204 205 206 207 208 209	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit
729 730 731 732 733 734 735 736 737 738 739	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributor	202 203 204 205 206 207 208	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing)
729 730 731 732 733 734 735 736 737 738 739 740	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing means	202 203 204 205 206 207 208 209 210	STATIC CONSTRUCTIONAL INSTALLATIONS)  Embedded or buried sprinkler  .Street curb installed  .With sprinkler head elevating means Elevating means responsive to flow of spray fluid With spring assisted retraction Distributor continuously moves during spraying  .Multiple spray heads connected for serial flow  .Building features  .Overhead or ceiling mounted supply conduit  .Moving (non-ground traversing) distributing means
729 730 731 732 733 734 735 736 737 738 739	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation	202 203 204 205 206 207 208 209 210 211	STATIC CONSTRUCTIONAL INSTALLATIONS)  .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing) distributing means SIMULATIONS
729 730 731 732 733 734 735 736 737 738 739 740	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation about longitudinal axis of	202 203 204 205 206 207 208 209 210	STATIC CONSTRUCTIONAL INSTALLATIONS) . Embedded or buried sprinkler . Street curb installed . With sprinkler head elevating means Elevating means responsive to flow of spray fluid With spring assisted retraction Distributor continuously moves during spraying . Multiple spray heads connected for serial flow . Building features Overhead or ceiling mounted supply conduit . Moving (non-ground traversing) distributing means SIMULATIONS SLINGER OR SPLASHER; OR DEFLECTOR
729 730 731 732 733 734 735 736 737 738 739 740 741	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation about longitudinal axis of pipeline	202 203 204 205 206 207 208 209 210 211 214	STATIC CONSTRUCTIONAL INSTALLATIONS) .Embedded or buried sprinkler .Street curb installed .With sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing) distributing means SIMULATIONS SLINGER OR SPLASHER; OR DEFLECTOR ROTATED RELATIVE TO EFFLUENT
729 730 731 732 733 734 735 736 737 738 739 740	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation about longitudinal axis of pipelineLongitudinal movement of	202 203 204 205 206 207 208 209 210 211	STATIC CONSTRUCTIONAL INSTALLATIONS)  .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing) distributing means SIMULATIONS SLINGER OR SPLASHER; OR DEFLECTOR ROTATED RELATIVE TO EFFLUENT .With addition of other fluid
729 730 731 732 733 734 735 736 737 738 739 740 741	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation about longitudinal axis of pipelineLongitudinal movement of	202 203 204 205 206 207 208 209 210 211 214 214.11	STATIC CONSTRUCTIONAL INSTALLATIONS)  .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing) distributing means SIMULATIONS SLINGER OR SPLASHER; OR DEFLECTOR ROTATED RELATIVE TO EFFLUENT .With addition of other fluid downstream of distributor
729 730 731 732 733 734 735 736 737 738 739 740 741	With noncircular coverageIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentIncluding means allowing articulation of adjacent pipe sectionsWith means to detect misalignmentTrail tubesPropelling meansReel take-upPrime moverFluid motor or spray fluid operatedGuided translating distributorSupply line traversing meansWheel mounted for rotation about longitudinal axis of pipelineLongitudinal movement of	202 203 204 205 206 207 208 209 210 211 214	STATIC CONSTRUCTIONAL INSTALLATIONS)  .Embedded or buried sprinklerStreet curb installedWith sprinkler head elevating meansElevating means responsive to flow of spray fluidWith spring assisted retractionDistributor continuously moves during spraying .Multiple spray heads connected for serial flow .Building featuresOverhead or ceiling mounted supply conduit .Moving (non-ground traversing) distributing means SIMULATIONS SLINGER OR SPLASHER; OR DEFLECTOR ROTATED RELATIVE TO EFFLUENT .With addition of other fluid

214.15	Plural fluid outlets from distributor	233	Deflector causes movement of distributor
214.17	With combining of fluids and	236	.With undulating or irregular cam
214.19	subsequent distributionOne of relatively axially		track for noncircular pattern control
214.19		237	*****
	movable concentric flow paths continuously rotating	237	.Spray fluid motor drive means (not reaction)
214.21	With pump or interior guide	238	By weight of accumulated fluid
	vanes for fluid	239	Continuously operative
214.23	Adjustable or deformable		rectilinearly reciprocating
214.25	.With combining of diverse fluids		motor
214.23	at or upstream of distributor	240	Rotary motor drive (e.g.,
215	.With separate pump or movable	240	turbine type)
213		241	
	conveyer means delivering to	241	With step-by-step advance
016	distributor	0.40	motion
216	Bowl-like rotating sleeve	242	Reciprocating or oscillating
045	conveyer	0.40	distributor
217	And scoop delivering to	243	.Multiple distributors supported
	distributor		for relative motion or on
218	Endless belt conveyer		different axes (one may be
218.5	Screw or spiral conveyer		stationary)
219	.Slinger or splasher dipping into	244	One distributor drives another
	or immersed in supply	245	Coaxially arranged distributors
220	Horizontal axis rotary	246	.Distributor with diversely
	distributor		shaped or oriented terminal
221	Submerged impeller type		members or outlets
	splasher or slosher	247	Adjustable or shiftable
222	.Spray apertured casing spaced		terminal member
	about distributor	248	Groups of terminal members or
222.11	.Nozzle delivers fluid to deflector		outlets spaced along axis of rotation
222.13		249	Circumferentially alternating
_	Nozzle continuously moves	219	diverse terminal members or
222.15	Deflector causes movement		outlets
222.17	Fluid actuated deflector	251	.Reaction-type nozzle motive
222.19	Plural streams to unitary	231	means
000 01	deflector	252	With brake, lock or retarder
222.21	Eccentrically mounted	253	Terminal members adjustable
223	.Disc impeller type or bowl-like	233	simultaneously or radially
004	slinger or deflector		swinging
224	Disc or impeller type	254	Filter bed type or fluid seal
225.1	DISTRIBUTOR CONTINUOUSLY MOVES	255	Oscillating or reciprocating
	RELATIVE TO SUPPORT DURING	233	distributor
006	SPRAYING	256	Control of speed or axis of
226	.With supply holder or plural	250	rotation shiftable (manual
000	substance mixing		valves excluded)
227	.Compound motion of distributor	257	Variable outlet aperture size
	or terminal member about	258	Varying jet to change
000	plural axes	250	tangential reaction component
228	.Sediment collector or internal	259	_
000	diverter baffle	4.JJ	With binding preventing means or seal
229	.Wriggler or flexible distributor	260	Distributor vibrating or
230	.With impact motive means	<b>400</b>	jarring means
231	.Including deflector	261	
232	Movable during operating cycle	Z () I	Support details for moving distributor
	for pattern control		GISCIIDUCOI

262	******	072	
262	With flow controller	273	WITH GROUND OR VERTICAL SURFACE
263	.Fluid motive means	075	SUSTAINED SUPPORT MEANS
263.1	.Electric motive means	275	.Support and deflector unit forms
263.2	.Power takeoff from another device		base for supply conduit or terminal outlet member
263.3	.Transmission details	276	.Ground or object penetrating
264	.Support details for moving		support
201	distributor	279	.Supply passage configuration
265	Adjustable standard or support		forms stand
265.11	REACTION MOTOR DISCHARGE NOZZLE	280	.Pole, stand or extension carried
265.13	.With retractable noise		head
	suppressing stream divider	280.5	Adjustable support
265.15	.With erodible, frangible or	281	Extensible
	fusible nozzle part	282	.Wall or bracket mounting
265.17	.With addition of secondary fluid	283	Bracket-type support
	upstream of outlet	285	.Flow controller and ground
265.19	.With means controlling amount,		support interconnection
	shape or direction of	288	WITH SOLID MEANS AS GUARD OR
	discharge stream		PROTECTOR
265.23	Fluid jet for stream deflection	288.3	.Bumper or guard protects
265.25	Plural controlled outlets		distributor
265.27	Selective total discharge	288.5	Arcuate or circular
	through diversely shaped or	289	COMBINED OR CONVERTIBLE
	directed outlets	290	INCLUDING SUPPLEMENTAL GAS
265.29	Controller moves into fluid		SHAPING OR SHIELDING JET
	path from position closing one	291	.Air shield surrounds projected
	outlet		airstream (i.e., air gun)
265.31	Axially moved discharge	292	.Angularly adjustable as to point
0.65 0.0	portion opens side outlet		of convergence
265.33	Radially outermost flow	293	.Gas-driven rotatable jet orifice
265 25	defining wall adjustable	0.0.4	carrier
265.35	Nozzle aiming adjustable	294	.And additional downstream liquid
265.37	Radially inwardly movable wall	205	nozzle
265.39	At least three pivoted flaps form outlet	295	.On one side only of spray orifice
265.41	With adjustable upstream	296	.Plural sets of gas jet orifices
	flow path portion	297	One or more sets selectively
265.43	Resilient or deformable wall		usable
266	TERMINAL OUTLET MEANS CONNECTED	298	Jets coupled to turn stream
	IN SERIES FOR THROUGH FLOW		about longitudinal axis
267	.Terminal outlet means in or on	299	.Noncircular supplemental orifice
	flow line coupling		(e.g., special shape)
268	.With casing or support	300	.Adjustable gas flow directing or
269	.With flexible or articulated		controlling means
	flow line section	301	Rotatable port-carrying member
270	NOZZLE WITH AIR SUPPLY MEANS TO		effects flow control
	OPERATOR	302	INCLUDING SUPPLY HOLDER FOR
271	WITH NOZZLE OR FLOW LINE ATTACHED	0.00	MATERIAL
272	PENETRATING MEANS	303	.Plural holders for diverse
272	.Piercing connection to supply	204	materials
274	means	304	Two or more spray-material
274	WITH MEANS OPERATED BY ART DEVICE	205	holders
284.1	LIQUID SPRAYER FOR TRANSPARENT	305	Choice of any one material
284.2	PANEL (E.G., WINDSHIELD)	306	only
404.Z	.Headlamp	300	And mixing beyond outlet

307 308	And carrier fluid supplyHolder for carrier fluid	339	Liquid inlet port to submerged gas tube
309	.And frangible seal rupturing means	340	Pressure reducer at holder outlet
310	.To be mixed, dissolved or entrained in a flowing liquid	341	Relatively adjustable gas and liquid streams
311	stream prior to discharge Gas addition upstream of spray nozzle outlet	342	Auxiliary trap, articulated or plural point inlet to eduction tube
312	Diverse discharge outlets for mixed and unmixed fluids	343	And diffuser or baffle means (e.g., sudser or foamer)
313	respectivelyFollower-type holder and stream	344	Modified flow path in eduction tube
314	egress means in juxtapositionMixing beyond liquid stream outlet	345	Discharge from upended or tilted holder (e.g., by gravity feed to reducer)
315	Holder within terminal element carrying member	346	Holder coupled to gas supply source
316	Unitary outlet means and holder	347	Flow control by venting
317	Branching flow and recombining in terminal member	348	pressure fluid to atmosphereFluid pressure in carrier
318	Aspirating discharge nozzle		supply line is vented
319	.Moving solid surface supplying material beyond carrier fluid	349	Interconnected pump means and conduit closure or valve
	outlet	350	Measured or trapped quantity
320	.Follower in holder	330	for discharge
321	Floating or biased piston	351	Motor-operated gas pump
322	Fluid pressure actuated	352	And supply replenishing means
323	Collapsible or flexible	353	Plural valves actuated by
	follower (i.e., non-rigid)		common operator
324	Screw actuated	354	Including valved eduction tube
325	.Conveyer for fluent solid in	0.5.5	or closure means
	holder	355	Holder carried or mounted gas
326	.Temporary storage in wick or pad	0.5.6	pump
327	.Resilient holder wall	356	Flexible wall gas pump
328	.Collapsible or foldable supply	255	encases liquid holder
	holder	357	Telescoping holder or casing
329	.Moving solid surface engages	358	Multiple outlet
330	material to be sprayedDiaphragm and flexible wall gas	359	Having means to lock plunger or pump
	pump combined	360	Pump casing within supply
331	Enclosing casing about moving		holder
	surface	361	Unitary mounting for eduction
332	Motor-operated		tube and air pump
333	Separable pump with holder	362	Flexible wall gas pump
	mount or securing means	363	Flexible wall gas pump
334	Articulated or plural point ingress to pump	364	Parallel pressure flows to holder and pressure reducer
335	.Three or more spray fluids	365	Branched flow from main
	(e.g., induction of ambient		stream to holder
	air)	366	Air and liquid flow paths
336	One a fluent solid		combine upstream of spray
337	.Fluid pressure discharge means		outlet
338	<pre>Material atomized in holder (e.g., nebulizer)</pre>		
	- ·		

367	Unitary mounting for pressure fluid inlet and	397	.Selective coupling means for head or nozzle
368	liquid outletAir and liquid flow paths combine upstream of spray outlet	397.5	DISTRIBUTOR HAVING THERMAL EXPANSION JOINT, DIFFERENTIALLY EXPANDING MATERIALS OR INSULATION
369	Air and liquid flow paths	398	COMBINING OF SEPARATELY SUPPLIED
	combine upstream of spray outlet		FLUIDS (I.E., PLURAL FLOW PATHS)
370	<pre>And baffle, diffuser or flow separating means (i.e.,</pre>	399	.Including whirler device to induce fluid rotation
	nebulizer)	400	Three or more fluids
371	Concentrically arranged flow paths	401	Axially adjustable valve with fluid conducting stem
372	Gas passage from gas space in holder through fluid outlet means	402	Plural serially arranged whirlers for same or for mixed fluids
373	Means to pressurize contents of holder	402.5	Adjustable or selective whirl inducing means
374 375	.Hand-manipulable shaker or jiggler type	403	Whirling of fluid prior to or at point of addition of second fluid
373	.Including handle or handgrip for supply container and attached outlet	404	Discrete whirler means for each fluid
376	Gravity discharge hand carried	405	Fluid in outer of
377	Upending or tilting for discharge	100	concentrically arranged paths is whirled
378	Handle grip and flow controller juxtaposed	406	Mixing at or downstream of terminus
379	.Gravity flow from holder (e.g., hopper type)	407	.And valving means controlling flow for combining
380	MOTOR OR SPRAY FLUID OPERATED	408	By terminal ejection valve
	CONTINUOUSLY MOVING DISCHARGE MODIFIER	409	Liquid storage means proximate to ejection outlet
381	.Spray fluid operated	410	Fluid pressure operated valve
382	Deflector or whirler	-	(mixed or unmixed)
383	Rotating whirler	411	By gas pressure
389	Pivoted on axis transverse to flow	412	Motor or fluid pressure operated valving means
390	PLURAL INTERCHANGEABLE DISCHARGE	413	Valving means for each of
	MODIFIERS, OUTLET ARRANGEMENTS		diverse fluids
391	OR COUPLING MEANS .Selectively arrangeable outlet	414	Multiway valve or single operator for plural valves
	means	415	For successive valve control
392	Movably mounted multi-terminal outlet carrying member	416	Relatively movable concentric flow paths effect valving
393	Member rotates on axis transverse to flow path	416.1	For three or more diverse fluids
394	Member rotates on axis	416.2	Plural valves for same fluid
	longitudinally of flow path	416.3	Parallel
395	Member reciprocates	416.4	Concentric flow paths
	transversely of flow path	416.5	Concentric flow paths
396	.Discharge modifier upstream of	417	Relatively movable flow paths
	terminal outlet	417.3	Valving means for central fluid

417.5	Discrete flow paths for diverse fluids	439	Deflector and outlet forming means combined
418	.At or beyond outlet	440	Two or more concentric
419	With partial preliminary mixing		annular outlets
419.3	Two of three disparate fluids premixed	441	Central and concentric annular outlets
419.5	Induction of ambient air	442	.By selection of coupling means
420	Including movable means for	443	.And valve controlling flow
	varying point of convergence	444	Valving means for each flow
421	Including peripheral or annular		path
421	outlets at junction of opposed coaxial fluid paths	445	Valved faucet with selective terminal flow paths to
422	Combining of three or more separate fluid streams		<pre>discharge (e.g., high or low velocity draft cocks)</pre>
423	Concurrent or concentric flow means	446	Integral or rigidly interconnected valving means
424	Flow means of one fluid	447	At least one flow path always
	surrounds the other at outlet		open
424.5	Plural passages discharge one	448	Central flow path
	fluid to other	449	And surrounding ports
425	To outer fluid at outlet		(peripheral)
425.5	Ambient air aspirated	450	ADJOINED CONTIGUOUS ELONGATED
426	through inner flow pathStreams meet at right angles		SPRAY CONDUITS (E.G., PARALLEL CONDUITS)
427	.Serially arranged mixing zones	451	TERMINAL OUTLET FORMED BETWEEN
12 /	(i.e., of same or mixed fluids)		PARTS MOUNTED FOR RELATIVE MOVEMENT
427.3	Additions of fluid in zones	452	.Spray fluid pressure responsive
12, •3	spaced along flow path		discharge modifier
427.5	At least three diverse fluids	453	Axially reciprocating closure
428	.Combining of three or more		deflector-type modifier
120	separate streams	454	Gravity seated tapered plug
428.5	Liquid flow induces atmospheric	455	.Laterally movable outlet part
12010	air (e.g., faucet aerator)	456	.Axially movable outlet part
429	.Plural inlets to one stream from	457	Moved by rotatable flow
430	anotherThree or more inlets to one	-	conducting terminal member
430	stream from other	458	Radially outer and axially
431	Normal to entered stream		movable part
432	.Including additional dispersing	459	Spring biased nonrotatable
402	plate or obstruction in mixing chamber		controller within discharge guide
433	.Fluid streams have angular junction	460	Peripherally fluted or grooved member
434	Streams meet at right angles	461	FLOW DEFLECTING OR ROTATION
434.5	One fluid discharges into other		CONTROLLING MEANS
	in concentric conical portion	462	.And filtering or screening means
	of outer conduit	463	.Fluid rotation inducing means
435	VALVED FAUCET HAVING CONTRACTING		upstream of outlet
	CHAMBER JET FORMING MEANS	464	And fluid pressure responsive
436			61 31 61
	SELECTIVELY USABLE OR VARIABLE		flow modifying means
	SELECTIVELY USABLE OR VARIABLE DIVERSE TERMINAL OUTLETS	465	And adjustable flow modifier
437	DIVERSE TERMINAL OUTLETS	465	
437		465	And adjustable flow modifier
437	DIVERSE TERMINAL OUTLETS .Outlet formed between parts	465 466	And adjustable flow modifier requiring separate insertable

467	And serially arranged deflector	497	Multiple angular passages
468	Whirl chamber transversely offset to single inflow path	498	through disc .Unitary deflector with multiple
	(i.e., tangential inflow)		fingers or serrated edges
469	Having a central post-like	499	.Chamber-like deflector
450	member	500	.Serially arranged deflecting
470	And flow passage in post	E 0.4	surfaces
471	Having valved inlet	501	Surfaces of spiral or helical
472	Peripheral and central flow	EOO	form
	paths in whirler upstream of single terminal outlet	502	.Plural deflectors arranged edgewise to stream
473	Coaxial valving means and	503	Pivoted into and out of
45.4	central port		discharge path
474	Annular egress outlet formed	504	.Deflector apertured for flow
4.5.5	between whirler and casing	505	.Deflector movably or removably
475	And centrally ported whirler		mounted relative to outlet
476	Having flow modifier and	506	Deflector is closure
	external operator therefor carried by nozzle	507	Mounted for movement into and out of deflecting position
477	Selective diverse paths to or	508	Bail-type pivoting means
	through terminus	509	Plate means oblique to or on
478	One path avoids whirler		one side of flow path
	action	510	Exteriorly arranged of flow
479	Adjustable between		member
	positional limits	511	Rotated into deflecting
480	Relatively axially movable		position
	flow modifier	512	Positioned transversely across
481	Rotary, axially movable		flow path
482	Axially aligned nozzle, modifier and stem	513	Adjustable to alter degree of deflection
483	Slotted, ported or grooved	514	Axially movable deflector
	modifying member	515	Supported exteriorly of flow
484	Member having rotary motion		outlet
	for adjustment	516	Resilient securing means
485	$\ldots$ And motion longitudinally	517	Spring form deflector
	of the axis of rotation	518	.Deflector and terminal flow
486	Single planar spiral		element
	perpendicular to flow path	519	Resilient or deformable
487	Axially extending spiral-type	520	Plural outlets to deflector
	flow passage or diverter	521	Deflector on one side of flow
488	Having a solid core		path
489	In or on flow-passage walls	522	Multiple or discrete
490	Integral whirler and terminal		deflecting surfaces
	head (e.g., terminal nut)	523	Dished or arcuate deflector
491	Apertured cap surmounts whirler organization	524	Transverse planar or dished
492	Whirler is cup-like insert	EDE	surface type
472	with tangential inlets	525	FLOW LINE OR NOZZLE ATTACHED OR
493	Downstream end of core member	E 2 6	CARRIED HANDGRIP OR HANDLE
100	slotted to form whirl passages	526 527	.Pistol grip type
494	Whirler is slotted or	3 <i>4</i> /	Single trigger for plural valve
1,7 1	apertured flat disc or plate	528	actuators
495	Deformed plate	528 529	For sequentially opened valves
496	Slot in disc face	J L J	<pre>.Finger- or hand-attached or worn   (e.g., spray glove)</pre>
		530	.Sleeve-type grip
		J J U	.preene-clbe Arth

531	.And hook-like holder	552	.Insert at terminus forms plural
532	.Spray pole type		streams
533.1	FLUID PRESSURE RESPONSIVE	553	.Having interior filter or guide
	DISCHARGE MODIFIER* OR FLOW	553.3	Foraminous or apertured member
	REGULATOR*	553.5	Plural fluid directing means
533.2	.Fuel injector or burner	554	.Axial or superposed members
533.3	Having flow regulator* for		arranged to form axially
	reciprocating piston engine		spaced outlets
533.4	With means to vary or pulse	555	Stacked plates
	flow within engine cycle	556	.Arranged in plural groups or
533.5	Upstream of flow regulator*	330	rows
533.6	Manually adjustable	557	All groups identical
533.7	Regulator* upstream of outlet	558	Concentric or coaxial groups
333.7	port opens in direction of	559	In concavo-convex face
	flow	560	
533.8	Regulator* biased to closed	561	Three or more dissimilar groups
333.0			Three or more dissimilar outlets
E22 0	position by a fluid	562	.And flow regulation or control
533.9	Spring type or biased		of outlets
F22 11	regulator*	563	Sequential control of outlets
533.11	With antifriction, guide or	564	Bi-dimensional control
	seal means for flow regulator*	565	.Branched flow line type
533.12	With discharge modifier*	566	.All in a single straight line
533.13	.Resilient or deformable terminal	567	.All in a concavo-convex face
	outlet	568	.Slit or slot-like apertures
533.14	Outlet carried by or formed in	569	INCLUDING VALVE MEANS IN FLOW
	a disc		LINE
533.15	.On-off only	570	.Line fluid operated
536	SIMILAR TERMINAL MEMBERS IN	571	Flow direction responsive valve
	SIMILAR TERMINAL MEMBERS IN MULTIPLE ARRANGEMENTS	571 572	Flow direction responsive valveDownstream flow to outlet
<ul><li>536</li><li>537</li></ul>		_	-
537	MULTIPLE ARRANGEMENTS	_	Downstream flow to outlet
<ul><li>537</li><li>538</li></ul>	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART	572	Downstream flow to outlet closes valve
537	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT	572	Downstream flow to outlet closes valve .And fluid to gas expansion
<ul><li>537</li><li>538</li></ul>	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit	572	Downstream flow to outlet closes valve .And fluid to gas expansion effecting means (e.g., aerosal
537 538 539	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movement	572 573	<ul><li>Downstream flow to outlet closes valve</li><li>.And fluid to gas expansion effecting means (e.g., aerosal type)</li></ul>
537 538 539 540	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type	572 573	<ul> <li>Downstream flow to outlet closes valve</li> <li>.And fluid to gas expansion effecting means (e.g., aerosal type)</li> <li>.Serially arranged valves (e.g.,</li> </ul>
537 538 539 540	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit	<ul><li>572</li><li>573</li><li>574</li></ul>	Downstream flow to outlet closes valve  .And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)
537 538 539 540 541	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT  .Rotatable unitHaving axial movementDisc type .Axially movable unit (reciprocating)	<ul><li>572</li><li>573</li><li>574</li><li>575</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen
537 538 539 540 541	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating) CONDUIT OR NOZZLE ATTACHED	<ul><li>572</li><li>573</li><li>574</li><li>575</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath
537 538 539 540 541 542	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating) CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR	<ul><li>572</li><li>573</li><li>574</li><li>575</li><li>576</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type
537 538 539 540 541 542	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating) CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON	<ul><li>572</li><li>573</li><li>574</li><li>575</li><li>576</li><li>577</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely
537 538 539 540 541 542	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face	<ul><li>572</li><li>573</li><li>574</li><li>575</li><li>576</li><li>577</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for
537 538 539 540 541 542 543	MULTIPLE ARRANGEMENTS TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating) CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING)	572 573 574 575 576 577 578	Downstream flow to outlet closes valve  .And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)
537 538 539 540 541 542 543	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets	<ul><li>572</li><li>573</li><li>574</li><li>575</li><li>576</li><li>577</li></ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for
537 538 539 540 541 542 543	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING	<ul> <li>572</li> <li>573</li> <li>574</li> <li>575</li> <li>576</li> <li>577</li> <li>578</li> <li>579</li> </ul>	Downstream flow to outlet closes valve  .And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  .Movable terminal flow member controls valve
537 538 539 540 541 542 543 544 545 546	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT  .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating)  CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR  ONE FLUID STREAM IMPINGES UPON   ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING   DEFORMABLE TERMINAL OUTLET	572 573 574 575 576 577 578	Downstream flow to outlet closes valve  .And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  .Movable terminal flow member controls valve  .Requiring separate insertable
537 538 539 540 541 542 543 544 545 546	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating)  CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR  ONE FLUID STREAM IMPINGES UPON   ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING   DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN	<ul> <li>572</li> <li>573</li> <li>574</li> <li>575</li> <li>576</li> <li>577</li> <li>578</li> <li>579</li> <li>580</li> </ul>	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  Movable terminal flow member controls valve  Requiring separate insertable tool for adjustment
537 538 539 540 541 542 543 544 545 546	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating)  CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR  ONE FLUID STREAM IMPINGES UPON   ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING   DEFORMABLE TERMINAL OUTLET  DISTRIBUTOR OR NOZZLE IN   CIRCUMFERENTIAL WALL OF	572 573 574 575 576 577 578 579 580 581.1	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  .Movable terminal flow member controls valve  .Requiring separate insertable tool for adjustment  .Rotary valving
537 538 539 540 541 542 543 544 545 546	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating)  CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON   ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING   DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN   CIRCUMFERENTIAL WALL OF   FLEXIBLE SUPPLY LINE UNITARY PLURAL OUTLET MEANS	572 573 574 575 576 577 578 579 580 581.1 581.2	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  .Movable terminal flow member controls valve  .Requiring separate insertable tool for adjustment  .Rotary valving  .Including axial movement
537 538 539 540 541 542 543 544 545 546 547	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART  MOVE AS UNIT  .Rotatable unitHaving axial movementDisc type .Axially movable unit   (reciprocating)  CONDUIT OR NOZZLE ATTACHED   IRRIGATION-TYPE DECELERATOR  ONE FLUID STREAM IMPINGES UPON   ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets  INCLUDING MEANS MODIFYING   DEFORMABLE TERMINAL OUTLET  DISTRIBUTOR OR NOZZLE IN   CIRCUMFERENTIAL WALL OF   FLEXIBLE SUPPLY LINE	572 573 574 575 576 577 578 579 580 581.1	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  Movable terminal flow member controls valve  Requiring separate insertable tool for adjustment  Rotary valving  .Including axial movement Stem or operator extends
537 538 539 540 541 542 543 544 545 546 547	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN CIRCUMFERENTIAL WALL OF FLEXIBLE SUPPLY LINE UNITARY PLURAL OUTLET MEANS .Plural outlets each supplied by	572 573 574 575 576 577 578 579 580 581.1 581.2 582.1	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  Movable terminal flow member controls valve  Requiring separate insertable tool for adjustment  Rotary valving  .Including axial movement Stem or operator extends through flow conduit
537 538 539 540 541 542 543 544 545 546 547	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN CIRCUMFERENTIAL WALL OF FLEXIBLE SUPPLY LINE UNITARY PLURAL OUTLET MEANS .Plural outlets each supplied by different fluid .Plural separable nozzles on	572 573 574 575 576 577 578 579 580 581.1 581.2 582.1	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  Movable terminal flow member controls valve  Requiring separate insertable tool for adjustment  Rotary valving  .Including axial movement Stem or operator extends through flow conduit  .Reciprocating
537 538 539 540 541 542 543 544 545 546 547 548 549 550	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN CIRCUMFERENTIAL WALL OF FLEXIBLE SUPPLY LINE UNITARY PLURAL OUTLET MEANS .Plural outlets each supplied by different fluid .Plural separable nozzles on spray pipe	572 573 574 575 576 577 578 579 580 581.1 581.2 582.1 583 584	Downstream flow to outlet closes valve  .And fluid to gas expansion effecting means (e.g., aerosal type)  .Serially arranged valves (e.g., trap or wet flow line)  .And filter, sifter or screen  .Flexing flow conduit or sheath unseats valve  .Unhinged tilting type  .Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  .Movable terminal flow member controls valve  .Requiring separate insertable tool for adjustment  .Rotary valving  .Including axial movement Stem or operator extends through flow conduit  .Reciprocating  .Injection nozzle type
537 538 539 540 541 542 543 544 545 546 547	MULTIPLE ARRANGEMENTS  TERMINAL MEMBER AND VALVE PART MOVE AS UNIT .Rotatable unit .Having axial movement .Disc type .Axially movable unit (reciprocating)  CONDUIT OR NOZZLE ATTACHED IRRIGATION-TYPE DECELERATOR ONE FLUID STREAM IMPINGES UPON ANOTHER (I.E., CONVERGING) .Orifices in recessed face .Directly opposed outlets INCLUDING MEANS MODIFYING DEFORMABLE TERMINAL OUTLET DISTRIBUTOR OR NOZZLE IN CIRCUMFERENTIAL WALL OF FLEXIBLE SUPPLY LINE UNITARY PLURAL OUTLET MEANS .Plural outlets each supplied by different fluid .Plural separable nozzles on	572 573 574 575 576 577 578 579 580 581.1 581.2 582.1	Downstream flow to outlet closes valve  And fluid to gas expansion effecting means (e.g., aerosal type)  Serially arranged valves (e.g., trap or wet flow line)  And filter, sifter or screen  Flexing flow conduit or sheath unseats valve  Unhinged tilting type  Relatively movable remotely arranged operator for controller (e.g., Bowden wire)  Movable terminal flow member controls valve  Requiring separate insertable tool for adjustment  Rotary valving  .Including axial movement Stem or operator extends through flow conduit  .Reciprocating

585.2	With separate operator		
	therefor	FOREIGN	ART COLLECTIONS
585.3	Plate-type armature valve		
	(e.g., plate and integral	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
	projection or ball)		
585.4	Elongated armature with		
	integral projection		
585.5	Needle-type projection	DIGESTS	
586	Transverse to flow path		
587.1	TERMINAL MEMBER ADJUSTABLY OR	DIG 1	PATTERN SPRINKLER
	SHIFTABLY CONNECTED TO FLOW	DIG 2	SCARFING TORCHES
	CONDUIT	DIG 3	FLUID AMPLIFIER
587.2	.Plural distinct articulation	DIG 4	"O"-RING
	type flow connections	DIG 5	BALL AGITATORS
587.3	Includes ball and socket	DIG 6	LAWN MOWER
587.4	.Ball and socket flow connection	DIG 7	COANDA
587.5	.Pivot type flow connection	DIG 7	CUTTER SPRAYER
587.6	With pin in pivot type	DIG 9	SLIDE FASTENER
	connection	DIG 10	
588	.Flexible coupling section	DIG 10 DIG 11	
589	RIGID FLUID CONFINING DISTRIBUTOR	DIG 11 DIG 12	
589.1	.Fluidic oscillator		
590	.Having interior filter or guide	DIG 13	SOOT BLOWERS AND TUBE CLEANERS
590.3	Foraminous or apertures member	DIG 14	PAINT SPRAYERS
590.5	Plural fluid directing means	DIG 15	SPRINKLER SYSTEMS WITH CONTROLS
591	.Including flow passage liner	DIG 17	LOW VOLUME
	(e.g., wear liner)	DIG 19	
592	.Flat and tapered	DIG 21	
593	One wall only tapered to	DIG 22	SAFETY AIR NOZZLES
	direction of flow	DIG 23	SCREENS
594	And remaining opposite side		
	walls converging		
595	And superposed curved discharge edges		
596	Orifice in separable disc or		
	plate		
597	.Elongated orifice in terminal		
F00	member		
598	Oblique to direction of flow		
599	Oval or elliptical		
600	.Assembly or disassembly feature		
601	Orifice shapes		
602	MISCELLANEOUS (E.G., RESILIENT		
	NOZZLE)		

## CROSS-REFERENCE ART COLLECTIONS

900 ELECTROMAGNETICALLY ACTUATED FUEL INJECTOR HAVING BALL AND SEAT TYPE VALVE