

663	CONTROL MEANS RESPONSIVE TO A RANDOMLY OCCURRING SENSED CONDITION	692	..Pressure responsive
664	..Sampling of associated base	693	..Means to raise coating material to a predetermined level inside an enclosed container
665	..Condition of coated material	694	..Level of supply
666	..Temperature responsive	695	INTERFACING CONTROL OF PLURAL OPERATIONS
667	..Of coating material or applicator	696	PROGRAM, CYCLIC, OR TIME CONTROL
668	..Responsive to attribute, absence or presence of work	697	..Having prerecorded program medium
669	..Selective application at a specific position	698	..Having selection means for alternate operational sequences
670	..Defect in the workpiece sensed	699	..Having timer
671	..Proximity of work to electrically charged applicator sensed	700	..Timing motor with cam or disk
672	..Running length work	701	...Notched rotating disk
673	...Edge of running length of web material sensed	702	..Sequential timing of plural operations
674	..Having means to sense speed of running length of work	703	..Time delay means
675	..Removal of article sensed	704	..Sequential energization of plural operations
676	..Presence of work at or passage of work through coating station sensed	705	..Having means to reverse operation at end of travel path
677	...With means to remove or to prevent depositing of excess coating material	706	..Cyclic operation of singular element
678	....By means to interpose barrier	707	INTERCONTROL OR SAFETY INTERLOCK CONDITION RESPONSIVE CONTROL
679	..Having means to control coating application	708	
680	....By means to initiate movement of applicator or applicator adjunct	709	..Responsive to diameter of wound material spool
681	....By means to move applicator or applicator adjunct from inoperative position to operative position	710	..Valve actuator
682	....By means controlling the operation of a timing means	711	..Integral actuator extends through or is formed on valve seat
683	....Of a pump	712	WITH INDICATING, TESTING, INSPECTING, OR MEASURING MEANS
684	....Of a valve	713	..With means for visual observation
685	....Fluid motor actuated	714	..With means to return indicator to zero point
686	..By means to control conveyor operation	13	EDIBLE BASE OR COATING TYPE
687	....By means to intermittently advance conveyor	14	..Stringing or decorating of coating
688	..Responsive to condition of coating material	15	..With cutting of work
689	..Concentration of coating material in carrier medium	16	..Plural coating devices
690	...During application	17	..With apparatus cleaning or conditioning
691	...Photoelectric sensor	18	..Solid means acting on coating after application
		19	..Tumbling particulate work (i.e., rumble)
		20	..With work drying, cooling, heating or noncoating gas contact

21	..To remove or spread applied coating by gas blast	722	..With treating means (e.g., jarring)
22	..With vibration of work	723 R	..By creating electric field (e.g., gas activation, plasma, etc.)
23	..Combined		
24	..Projected of forced flow of coating material	723 VE	...Vacuum evaporation means within deposition chamber (e.g., activated reactive evaporation, etc.)
25	..Intermittent		
26	..Immersion	723 CB	...Ion cluster beam
27	..Superposed hopper or liquid column	723 EB	...Electron beam evaporator
28	..Moving coating container or tank	723 MP	...Multiple gas energizing means associated with one deposition site (i.e., excluding substrate heater as an energizing means)
29	..Liquid coating supply and/or discharge to or from coating container		
30	..Means for moving work into, through or out of coating	723 FE	...Focused electron beam gas energizing means
31	..Drain troughs or implements	723 FI	...Focusing means for ion beam coating material or focused ion beam gas energizing means (i.e., excluding ion plating or ion implanting)
31.5	BODY MEMBER PRINTING TYPE (E.G., FINGER PRINTING)		
32	WITH FOLDING, UNLFOLDING OR FESTOONING	723 MW	...Microwave gas energizing means (e.g., 2.45 gigahertz, microwave plasma, etc.)
33	WITH STRETCHING OR TENSIONING	723 ME	...Producing energized gas remotely located from substrate
34	..Transverse	723 MR	....With magnet (e.g., electron cyclotron resonance, etc.)
35	WITH CUTTING, PUNCHING OR TEARING OF WORK	723 MA	...with magnet (e.g., electron cyclotron resonance, etc.)
36	..Strand form work	723 AN	...Having antenna
37	..Web or sheet work	723 HC	...Hot cathode means for thermionic emission of electrons (e.g., tungsten filament, etc.)
38	..Slitting		
39	...And cut off	723 DC	...With nozzle-shaped anode (i.e., DC spray gun)
40	..Cut off	723 E	...Having glow discharge electrodes (e.g., DC, AC, RF, etc.)
41	...Pivoted cutter	723 ER	...Producing energized gas remotely located from substrate
42	...Reciprocating cutter	723 I	...Radio frequency antenna or radio frequency inductive coil discharge means
43	...By tearing	723 IR	...Producing energized gas remotely located from substrate
44	WITH MEANS TO DEFORM WORK		
45	COATED SURFACE PROTECTING MEANS, E.G., SLIP SHEETS	724	..By means to heat or cool
46	WITH PRINTING	725	...Substrate heater
47	CARBONIZING, FLAME CONTACT OR BURNING OFF OF COATING INGREDIENT		
715	GAS OR VAPOR DEPOSITION		
716	..Means to coat or impregnate particulate matter		
717	..Object embedded in particulate mass		
718	..Running length work		
719	..Multizone chamber		
720	..Having means to expose a portion of a substrate to coating medium		
721	..Substrate contacting mask		

726	.Crucible or evaporator structure	639	.With electromagnetic and/or electrostatic removal of excessive deposit, e.g., detearing
727	..Movable crucible		
728	.Work support		
729	..Moving work support		
730	...Rotary	640	.With means to orient coating particles
731	....Inverting		
732	...Porous	641	.Radiant heating
733	.Chamber seal	642	..Radiant drying of coated work
50	WITH VACUUM OR FLUID PRESSURE CHAMBER	643	...With additional diverse drying means
50.1	.With means to apply electrical and/or radiant energy to work and/or coating material	52	WITH MEANS TO CENTRIFUGE WORK
620	WITH MEANS TO APPLY ELECTRICAL AND/OR RADIANT ENERGY TO WORK AND/OR COATING MATERIAL	53	.Plural axes of rotation of work
621	.Electrostatic and/or electromagnetic attraction or projection of coating material to work	54	.Reciprocating centrifuge
622	..Hollow or reentrant work surface interiorly coated	55	.Coating inside of hollow work
623	..Including electromagnetic field	56	WITH MANIPULATION OF WORK AFTER COATING TO DISTRIBUTE OR REMOVE COATING
624	..Control of deposition of coating material or selective area, e.g., pattern or edge effect	57	.Vibrating or jarring
625	...Plural electrodes selectively energized	58	WITH HEAT EXCHANGE, DRYING, OR NON-COATING GAS OR VAPOR TREATMENT OF WORK
626	..Projection from edge, e.g., electrostatic atomization	59	.With solid heat exchange means contacting work
627	..With assisting projection or spray of coating material through free space	60	..Heated roll type
628	...With electrode for collecting fugitive or off-target coating material	61	.With treatment of waste gases, e.g., solvent recovery
629	...Fluid current projector, e.g., spray type	62	.To manipulate work by gas blast
630	....With means to transport work	63	.To remove or spread applied coating by gas blast
631	.....With movable coating projector	64	.With housing surrounding or engaging coating means
632	.....Transport lines with loop return	65	..Running length work
633	.....Plural transport lines	66	.Plural treatments
634	.....Through vapor-confining chamber	67	..Running length work
635	.....Shielded or insulated hangers or supports	68	.Running length work
636	...Gravity flow of coating material	69	.Cooling
638	..Work passes between spaced electrodes	70	WITH CLEANING OR RECONDITIONING WORK SUPPORT OR CONVEYER
		71	WITH SUPPORT FOR EXTRANEOUS ARTICLE OF MATERIAL
		72	WITH MEANS TO PREPARE WORK SURFACE FOR COATING
		73	.Liquid treatment
		74	..Fluxing
		600	WITH TREATMENT OF COATING MATERIAL
		602	.Of recirculated coating material
		603	..By separation
		606	.By fiber preparation
		608	.By milling or comminution
		610	.By separation
		612	.By agitation
		75	COMBINED
		76	RUBBING TRANSFER OF SOLID COATING MATERIAL ONTO WORK

77	.Running length work	207	.Work-supported and guided carriage
78	..Strands or cords		
79	HALF TONE PRINTING FILM HOLDERS	208	..Strand, rod or bar traversing
100	SOLID MEMBER OR MATERIAL ACTING ON COATING AFTER APPLICATION	209	.With work-handling or work-supporting
101	.Heated or cooled member	210	..With means to alter relative rates of work and applicator motions
102	.Nonuniform treatment (over treated area of work)		
103	.Diverse members	211	..Pattern or definite circumscribed area of application
104	.With means to clean or recondition members		
105	.Inside of hollow work	212	...Relief or intaglio applicator
106	.Web or belt member	213	...Mask or stencil
107	.Rotating work	214	..Coating inside of hollow work
108	.Work-supported and guided carriage	215	...Inside only
109	.Absorbent or porous mass or pad member	216	..Plural applicators or plural-applying surfaces on single applicator
110	.Rotary member	217	...Diverse applicator types
111	..Axis of rotation perpendicular to plane of coated surface	218	...Rotating work
112	..Axis of rotation coincident or parallel to line of motion of work	219	...Parallel, spaced or overlapping applications
113	..With reciprocation along axis of rotation	220	...Plural applicators and separate work for each
114	..Opposed rotary members	221	...Parallel, spaced or overlapping applications
115	...Axes of both in same horizontal plane	222	...Adjustable spacing or overlap
116	...Flexible work	223	...Work moving past sequentially arranged applicators
117	...Running length work	224	...Rotary applicator opposite rotary applicator or rotary back-up
118	..Running length work		
119	..Member opposed to work back-up	225	...Simultaneously operating on work
120	.Reciprocating member		
121	.Opposed members	226	...Opposed applicators
122	..Running length work	227	....Rotary
123	.Running length work	228	.....Open side applicator support
124	..Zigzag or jogged work path		
125	..Die passage	229	..Yarn wound drum indexed for stripping
126	..Member opposed to work back-up		
200	SOLID APPLICATOR CONTACTING WORK	230	..Rotating turret, wheel, or drum work conveyer
201	.With means to support applicator on body or clothing	231	...Sheet form work
202	.Heater or cooler for applicator or for film-transfer feed member	232	..Rotating work during coating application
203	.With cleaner or conditioner for applicator	233	...Work rotated by applicator
204	.With nonuniform removal of coating material from applicator	234	..Strand form work
205	.Expansible or contractible to effect work contract	235	..With winding or unwinding of work for supply or removal
206	.Combined with other type coating applier	236	..Sheet stacking, unstacking or handling
		237	...Coating applicator supported by stack
		238	..Reciprocating work holder

239	..Endless belt-type work conveyers	300	PROJECTION OR SPRAY TYPE
240	..Compound motion of applicator during application	301	.With mask or stencil
241	..Reciprocating or oscillating applicator	302	.With projector heating, cleaning or conditioning
242	...Along surface of work	303	.Coating moving mass of solid particulate work
243	...To and from coating material supply	304	.Projector combined with nonprojecting coater
244	..Rotary applicator	305	.Work-supported and guided carriage
245	...With means to strip work from applicator	306	..Inside of hollow work
246	...With means to guide work to follow perimeter of applicator	307	..Strand, rod or bar form work
247	...Intermittently acting work back-up	308	.Applying solid particulate material
248	...Opposed back-up and rotary applicator	309	..Dust chamber type
249	....Rotary back-up	310	..Plural supplies of particulate material
250	.....Open side applicator and back-up support	311	...With common projector
251	.....Open side applicator and back-up support	312	..Recirculation or nonradiant heating of supply of particulate material
252	...With guide or gauge for edge or face of work	313	.Plural projectors
253	..Movable back-up presses work against fixed applicator	314	..Work moving past sequentially arranged projectors
254	.Coating inside of hollow work	315	..Simultaneously acting on work
255	.Plural applicators and/or plural sources of coating material	316	...Opposed
256	.Movably mounted applicator	317	.Inside of hollow work
257	..Web or belt applicator	318	..Rotating work
258	..Rotary applicator	319	.Rotating turret work support
259	...Force or fountain feed	320	.Rotating work
260	...Wick feed	321	..Moving projector
261	...With doctor or film distributing feeder engaging applicator	322	..Endless conveyer for work
262	....Rotary	323	.Moving projector
263	..Applicator movable to coating material supply	324	.Endless conveyer for work
264	.Pads or absorbent or porous applicators	325	.Flexible web or strand work
265	..Deformable to contact supply	326	.With hood or offtake for waste material
266	..Forced feed or movable transporter from coating material supply to applicator	400	IMMERSION OR WORK-CONFINED POOL TYPE
267	..Gravity feed from separate coating material supply to applicator	401	.Capillary passages or barometric column feed
268	..Wick feed to applicator	402	.Floating film or layer of coating material
269	..Reversible pad and/or plural removable pad sheets	403	..Plural superposed layers of coating material in pool
270	..Sponge cup type	404	.Work extending through pool-confining wall area
271	..Heat-liquefied coating material	405	..Running length work
		406	.Mask or stencil
		407	.Work-confined pool
		408	..Inside separate hollow work
		409	..Rotating work about an axis through itself during coating

410	..With pump or nongravity discharge against work		
411	...Plural pools		
412	..Plural pools	DIG 1	ANTI-OFFSET
413	..Movable or adjustable doctoring edge	DIG 2	BEAD COATER
414	...Rolling doctor	DIG 3	CONTAINER-RELATED COATER
415	..Superposed pool	DIG 4	CURTAIN COATER
416	..Rotating work about an axis through itself during coating	DIG 5	FLUIDIZED BED
417	..Tumbling particulate work	DIG 6	FRUIT COATER
418	..Rotary drums or receptacles	DIG 7	HOODS
419	..Running length work, longitudinally traveling	DIG 8	PAN GREASER
420	..Strand form work	DIG 9	PLANK AND MOLDING COATER
421	..With means to move tank or pool	DIG 10	PIPE AND TUBE (INSIDE)
422	..With pool surface skimming or conditioning	DIG 11	PIPE AND TUBE (OUTSIDE)
423	..With means for moving work through, into or out of pool	DIG 12	PIPE AND TUBE (IMMERSION)
424	..Pinch rolls	DIG 13	PIPE AND TUBE (MISC.)
425	..Reciprocating or oscillating conveyer	DIG 14	ROLLER, CONICAL
426	..Rotating conveyer for work	DIG 15	ROLLER STRUCTURE
427	..With opposed relatively movable members acting on immersed work	DIG 16	SLINGER TYPE
428	..With work supports or guides	DIG 17	WALLPAPER COATER
429	..With tank structure, liquid supply, control, and/or nonradiant heating means	DIG 18	WIRE AND CORD (DIE)
500	WORK HOLDERS, OR HANDLING DEVICES	DIG 19	WIRE AND CORD (IMMERSION)
501	..Combined with drip pans or surplus collection	DIG 20	WIRE AND CORD (ROLLER)
502	..Impaling type	DIG 21	WIRE AND CORD (STRIPER)
503	..Gripper or clamped work type	DIG 22	WIRE AND CORD (MISC.)
504	WORK SURFACE SHIELDS, MASKS OR PROTECTORS		
505	..Work-attached		
506	MISCELLANEOUS		

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