CONTENTS AND SUBJECT INDEX

INTRODUCTION	1
CELLULOSICS Dyestuff Formulations Thiosulfate Vat Dyes Soluble Leuco Ester Vat Dyes Acylated Vat Dyes Vat Dyes Containing Sulfonic Acid Amide Groups Mixture of Reactive Dyes Quinoxalines Betaines Water-Insoluble Dyes and Acid-Binding Agents	2 2 4 6 8 10 11 13 14
Pastes of Metallizable Dyes Ultramarine Blue Dye Dye Sensitive to Chlørine Bleaching Agents	15 17 19
Fixatives and Reducing Agents Thiocarbonyl Compounds Cobalt Complexes Hexahydro-1,3,5-Triacryloyl-s-Triazine	21 21 23 25 26
Difunctional Reactive Dyestuffs Sulfoxylate Formaldehyde and 3-Nitrobenzene-1-Sulfonic Acid Alkanesulfinic Acid Derivatives and Chelate Complexes Reducing Agent Treatment During Alkaline Fixation Alkaline Curing Agent	27 29 31 32
Dimethylhydrazine Pretreatmentsand Resists Urea Colloidal Sol of Fibrous Boehmite	34 36 36 38
Aminoplast Treatment Alkali Hydroxy Methane Sulfonate Sodium Formaldehyde Sulfoxylate	40 42 43 44
Quaternary Ammonium Compounds for Discharge Paste Ethylene Oxide Adducts of Fatty Alcohols Aqueous Solutions of Phthalocyanine Pigments P ₂ O ₅ -Polyoxyalkylene Ether Reaction Products	44 46 48 49 50
Algin Solution as Thickeners N-Alkyl Phthalimides with Amino-Imino Pyrrolenines Alkali Metal Hydroxide to Improve Mixing Sodium Salt of 3-Nitrobenzenesulfonic Acid and Vanadium Salts	54 55 56 58
Polymeric Pigment Binders	00

Etherified Crotonylidenediurea Resins Acrylic Copolymers Thermosetting Acrylates and Dispersing Aids Polyvinyl Acetate Vinyl Acetate-Ethylene Copolymers Polymethylene Ureas Aminoplast-PigmentCompositions High Energy Electrons General Printing Ink Formulations Ultraviolet Sensitive Ink Cellulosic Casings Polyepoxide Primer for Cellulosic Casings Flexo Inks Using 4,4-Bis(p-Hydroxyphenyl)Pentanoic Acid Polyester Urethane Ink Vehicle Other Processes Producing Heat-Induced Effects Creaseproofed Fabric Transfer Printing by Heating Iron Oxide Pigments Printed Pile Fabric Perforative Etching Pastes	60 64 67 70 71 73 75 76 78 80 83 85 86 83 85 86 88 89 5 97 99 100 101
POLYETHYLENE TEREPHTHALATES AND CELLULOSE TRIACETATES Dyestuffs Hydroxy-Aryl Aminoanthraquinones Mixtures of Azo Dyes Mixtures of Azo and Anthraquinone Dyes Indandiones Carboxy-Containing Dyestuffs Bath Formulations and Additives Disperse Dye and Copper Compound Resist Basic Disperse Dyes with Resist Pattern Metal Formaldehyde Sulfoxylate, Thickener and Swelling Agent Disperse Dye, Oxyethylated Fatty Alcohol and Thickener Water-Soluble Dyestuff and Urea Ethoxylated Phenols Glycerol Diaryl Ether Carrier Finely Divided Cellulose Carboxylic Acid Amides Screen Printing of Pile Structures Fiber Blends Polyester, Acrylic and Cotton Blends Low Pressure Transfer Dyeing of Polyester Cotton Blend Print Paste Formulation with Resin Bonded Pigment Cother Processes Transfer Dyeing by Sublimation Conditioning with Hydroxyethylcellulose	102 102 104 105 108 109 111 111 113 114 115 117 118 120 121 123 125 127 127 129 130 132 132 132
POLYAMIDES Dye Assists and Bath Additives Halogenated Solvents and Alcohols Dye Carrier Mixtures Benzyl Alcohol Emulsions Containing Styrene Homopolymer Lauric Acid Diethanolamide and Ethoxylated Glycerol Monolaurate Nitrogen-Containing Carboxylic Acids Aftertreatments Polyhalogenoquinones Ammonia and Formaldehyde Generators	139 139 141 143 145 147 148 150 150

Other Processes	152
Transfer Printing with Subliming Reactive Dyestuffs	152
Dye Transferring Method	154
Multitone Effects Using Locally Applied Dye Rate Control Agent	155
Hydroxy Diaryl Sulfone-Formaldehyde Resist	157
Fast Black Shades	159
Blue Shades	159
Polyamides from Dodecanoic Acid and Bis(p-Aminocyclohexyl)Methane	160
ACRYLICS AND POLVPROPVLENES	162
Acrylic Fiber Processes	162
Acrylonitrile-Vinylidene Chloride Copolymers	163
Carpet Yarn	165
Anthraquinone Dye	166
Polypropylene Textile Processes	166
Receptivity Modifier with α-Sulfolauric Acid	166
1,4-Quinone Dichloride Dye	167
Dye Containing the 8-Hydroxyquinolyl Group	168
Vat Dyestuffs	170
POLVOLEFIN PLASTICS Polymeric Fatty Acid Amides Using Acetic, Propionic and Hexanoic Acids Using Hydroxy Monobasic Carboxylic Acids Using 4,4-Bis(Hydroxyaryl)Pentanoic Acid Using Spiroacetal Dicarboxylic Acids Using Caprolactam Using Bis(Hexamethylene)Triamine Formation of a Polyamide-Polyimide Resin Pigment Binders Ethylene-Acrylic Acid Interpolymers Carboxylic Acid Modified Polyethylene Wax Polyethylene and Rosin Blends Ethylene-Diene Interpolymers Polybutenes and Pinene Resins Epoxidized Polybutadienes Acrylic Latex and Cyclized Rubber Phenol-Aldehyde Resin and Polyepoxide-Rosin Alkyd Resins Unsaturated Ester and Photoinitiator Surface Treatment Foaming Agent Pentane Treatment Prior to Extrusion Mineral Acids and Hexavalent Chromium Elemental Phosphorus Sulfocarboxylic Acids Ozone Resin Additives Addition of Organometallic Compound Blends with Inorganic Filler and Organic Resin Printing Formulations Heat Fusion Process Highly Volatile Solvents Penetrating Ink Diffusion of Dye into Surface Layer	172 172 174 176 177 180 182 185 187 187 189 191 193 196 197 201 202 204 205 206 207 209 210 212 215 215 215 215 217 218 218 211 223 224
OTHER PLASTIC SUBSTRATES	227
Polyvinyl Chlorides	227
Methacrylate Polymer in Nitropropane	227

.

Cross-LinkedPVC-Epoxide-Anhydride Coatings	229
Selectively Expanded Articles	230
Credit Card Processing	232
Polystyrenes	236
Offset Printing	236
Hot-Transfer Printing	239
Ally Alcohol-Styrene Copolymers as Ink Vehicle	240
Cellulose Ether Ink Composition	241
Fluorocarbons	242
Radiant Energy Fixing of Teflon Ink	242
Hot Stamping Machine	243
Miscellaneous Processes	244
Branding Silicone	244
Band Tinting of Polyvinyl Butyral	244
Continuous Plastic Dyeing for Laminated Glass Windshields	246
Transfer-Proof Ink for Pressure-Sensitive Adhesives	247
EncapsulatedInk for High Pressure Decorated Laminates	249
Pigment Composition for Marking Gelatin Capsules	253
Polyester Magnetic Tape	256
Ink Formulations	257
Radiation Curable Inks	257
Solid Pigment Dispersions	258
Sublimatory Transfer Using 2-Cyano-1,4-Diamine Anthraquinones	260
Processing Equipment	262
Dry Offset Printing Using Flexible Segmented Blanket	262
For Hollow Objects	265
Printing During Molding	266
COMPANY INDEX	268
INVENTOR INDEX	270
U.S. PATENT NUMBER INDEX	273