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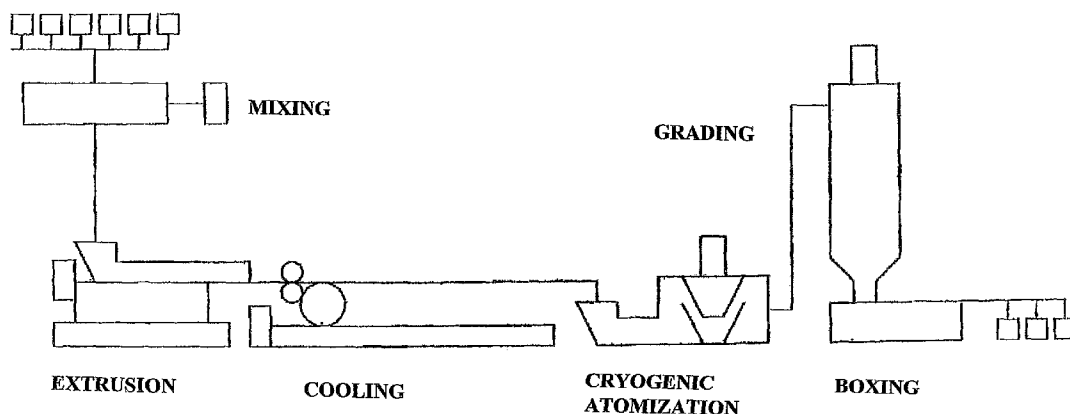
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(54) Title: COATING OF ORGANIC AND INORGANIC PIGMENTS WITH ACRYLIC RESINS



(57) Abstract: Coating of organic and inorganic pigments with acrylic resins, comprising a chemical compound consisting of particles of solid organic and inorganic substances, both defined as pigments, in that they are substances which absorb a fraction of the light and reflect the complementary part thereof, coated with acrylic and, optionally, aldehyde and/or ketone resins. The latter are deposited on the surface of the pigment by means of a process which envisages melting of the resin, consequent wetting and coating of the entire surface of the pigment with the resin in the melted state, the consequent cooling and subsequent step of grinding by means of mechanical systems operating in temperature conditions lower than 20° C, by means of cryogenic processes or granulate by means of a wet method with a water jet cutting action and separation of the granulates by the water on a vibrating screen and then dried on a spiral elevator. The product resulting from this invention will be used as a semifinished product for the colouring and pigmentation of powder paints and plastics as a monochromatic colouring material and or will also be used, after dissolving in a solvent, or in water with basic pH, as a pigmented paste or directly in solvent or water based resins in the liquid paints industry.