

Title (en)
PEARLESCENT COLOR PIGMENTS

Title (de)
PERLMUTTFARBPIGMENTE

Title (fr)
PIGMENTS DE COULEUR PERLÉS

Publication
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Application
EP 08782301 A 20080724

Priority
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Abstract (en)
[origin: WO2009018074A1] Described are a series of pearlescent color pigments and methods of making such pearlescent color pigments that derive color from both light interference and light absorption. In one embodiment, the pearlescent color pigment includes an inorganic substrate having a metal oxide coating, an organic polymer coated on the metal oxide coating, and a colorant, wherein the colorant is dispersed or dissolved in the organic polymer. The pearlescent color pigments may be formed by first providing a suspension of metal oxide coated inorganic substrate in water; adding a thermosetting organic polymer to the suspension; adding a colorant to the suspension, wherein the colorant dissolves or disperses in the thermosetting organic polymer; and sufficiently heating the suspension to cause the thermosetting organic polymer to coat the metal oxide coated inorganic substrate to provide the pearlescent color pigment, hi accordance with this method, the colorant remains dissolved or dispersed in the thermosetting organic polymer when the metal oxide coated inorganic substrate is coated with the thermosetting organic polymer.

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Citation (search report)
• [X] DE 102005032346 A1 20070104 - ECKART GMBH & CO KG [DE]
• [XI] US 2004146641 A1 20040729 - HOBBS STANLEY YOUNG [US], et al
• See references of WO 2009018074A1

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CN113956801A

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