

Title (en)

Imaging element comprising an electrically-conductive backing layer containing acicular metal-containing particles

Title (de)

Bildaufzeichnungsmaterial mit einer elektrisch leitenden Rückseitenschicht, die nadelförmige Metallpartikel enthält

Title (fr)

Élément formateur d'images comprenant une couche dorsale électroconductrice contenant des particules métalliques aciculaires

Publication

EP 0945759 A2 19990929 (EN)

Application

EP 99200426 A 19990215

Priority

US 3204998 A 19980227

Abstract (en)

The present invention is an imaging element including a support, at least one image-forming layer, and a transparent electrically-conductive, abrasion-resistant protective layer. The protective layer includes acicular, crystalline, single-phase, conductive metal-containing fine particles dispersed in a polyurethane binder at a volume ratio of conductive metal-containing particles to polyurethane binder of between 2.5 and 20 volume percent. The polyurethane binder has a tensile elongation to break of at least 50% and a Young's modulus at a 2% elongation of at least 50,000 lb/in². <IMAGE>

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IPC 8 full level

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