

Title (en)  
An electrophotographic photoconductor and a method for forming the same

Title (de)  
Elektrophotographischer Photoleiter und dessen Herstellungsverfahren

Title (fr)  
Photoconducteur électrophotographique et son procédé de préparation

Publication  
**EP 0696763 B1 19990728 (EN)**

Application  
**EP 95100136 A 19950105**

Priority  
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Abstract (en)  
[origin: EP0696763A1] An electrophotographic photoconductor comprising a conductive support, an undercoating layer provided on the conductive support and a photosensitive layer provided on the undercoating layer, in which the undercoating layer comprises a needle-like titanium oxide particles and a binder resin. The needle-like titanium oxide particles in the undercoating layer show a volume resistance in the range from  $10^{-5}$   $\Omega \cdot \text{cm}$  to  $10^0$   $\Omega \cdot \text{cm}$  when a loading pressure of 100 Kg/cm<sup>2</sup> is applied and have a short axis S having a length of 0.5  $\mu\text{m}$  or less and a long axis L having a length of 10  $\mu\text{m}$  or less and the aspect ratio of L/S ranging from 2 to 10. Further, the needle-like titanium oxide particles are contained in the undercoating layer in the range from 50 wt % to 95 wt% and the surface thereof remains untreated. <MATH>

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