

Title (en)
ELECTRIC FIELD CONTROL MATERIAL

Title (de)
MATERIAL ZUR STEUERUNG ELEKTRISCHER FELDER

Title (fr)
MATERIAU DE CONTROLE DE CHAMP ELECTRIQUE

Publication
EP 1754294 A1 20070221 (FR)

Application
EP 05739695 A 20050309

Priority
• FR 2005050153 W 20050309
• FR 0450473 A 20040309

Abstract (en)
[origin: FR2867622A1] The electrical field controller is made from a polymer matrix containing a dispersed charge with non-linear electrical resistance properties, made from at least 97 per cent zinc oxide in the form of a homogeneous powder, and less than 3 per cent of a metallic oxide in the form of traces. The zinc oxide powder makes up less than 99.8 per cent of the charge, and the grains of the powder are mostly smaller than 50 mcm and preferably under 10 mcm in size. The zinc oxide can be doped with at least one non-metallic element such as sulphur or boron. The other metallic oxides can be of lead, cadmium, iron III, copper or manganese.

IPC 8 full level
H02G 15/068 (2006.01); **H02G 15/188** (2006.01)

CPC (source: EP US)
H02G 15/068 (2013.01 - EP US); **H02G 15/188** (2013.01 - EP US)

Citation (search report)
See references of WO 2005088797A1

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FR 2867622 A1 20050916; FR 2867622 B1 20060526; EP 1754294 A1 20070221; US 2007272428 A1 20071129; WO 2005088797 A1 20050922

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