

Title (en)

HIGH TEMPERATURE, HIGH STRENGTH, COLORABLE MATERIALS FOR USE WITH ELECTRONICS PROCESSING APPLICATIONS

Title (de)

FARBHARTE MATERIALIEN FÜR HOHE TEMPERATUREN UND HOHE BELASTUNGEN ZUR VERWENDUNG MIT ELEKTRONIKVERARBEITUNGSANWENDUNGEN

Title (fr)

MATIERES A HAUTE TEMPERATURE, HAUTE RESISTANCE, COLORABLES, DESTINEES A ETRE UTILISEES DANS DES APPLICATIONS DE TRAITEMENT DE MATERIELS ELECTRONIQUES

Publication

**EP 1536943 A4 20051228 (EN)**

Application

**EP 03809512 A 20030903**

Priority

- US 0327562 W 20030903
- US 40774902 P 20020903

Abstract (en)

[origin: WO2004038760A2] Certain embodiments include an electrostatic-discharge safe tray for receiving and/or storing electronic components, e.g., read/write heads. Such trays may be made from a mixture of at least one high temperature, high strength polymer, at least one metal oxide, and at least one pigment. The use of the metal oxides as conductive materials advantageously allows for light-colored electrostatic-discharge safe materials to be made, so that such materials may be colored with pigments without compromise of material performance specifications.

IPC 1-7

**H01L 21/00**; **H05K 9/00**

IPC 8 full level

**B65D 1/36** (2006.01); **G11B 5/127** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP KR US)

**B32B 1/08** (2013.01 - KR); **B65D 1/36** (2013.01 - EP US); **C08J 5/00** (2013.01 - KR); **C08J 5/10** (2013.01 - KR); **C08K 3/10** (2013.01 - KR); **H05K 9/0067** (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US)

Citation (search report)

- [Y] US 5104581 A 19920414 - ITO TOSHIHIRO [JP], et al
- [Y] US 4818437 A 19890404 - WILEY ROBERT E [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10 31 October 1997 (1997-10-31)
- See references of WO 2004038760A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 2004038760 A2 20040506**; **WO 2004038760 A3 20041223**; AU 2003296901 A1 20040513; AU 2003296901 A8 20040513; CN 1694803 A 20051109; EP 1536943 A2 20050608; EP 1536943 A4 20051228; JP 2006506278 A 20060223; KR 20050039871 A 20050429; TW 200408693 A 20040601; US 2004126521 A1 20040701

DOCDB simple family (application)

**US 0327562 W 20030903**; AU 2003296901 A 20030903; CN 03824950 A 20030903; EP 03809512 A 20030903; JP 2004546717 A 20030903; KR 20057003705 A 20050303; TW 92124310 A 20030903; US 65458403 A 20030903