

Title (en)  
CONDUCTIVE COMPOSITE FIBER AND METHOD FOR PRODUCING SAME

Title (de)  
LEITENDE VERBUNDFASER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
FIBRE COMPOSITE CONDUCTRICE ET SON PROCEDE DE FABRICATION

Publication  
**EP 1995359 A1 20081126 (EN)**

Application  
**EP 07737589 A 20070301**

Priority  
• JP 2007053909 W 20070301  
• JP 2006066797 A 20060310

Abstract (en)  
Provided is an electrically conductive conjugate fiber formed by conjugating an electrically conductive layer (A) including 60 to 80% by weight of a thermoplastic resin and 20 to 40% by weight of electrically conductive particles and a protective layer (B) including 50 to 95% by weight of polyethylene terephthalate and 5 to 50% by weight of polyethylene-2,6-naphthalate, wherein the fiber has a degree of elongation (DE) of 100 to 350%. This provides an electrically conductive conjugate fiber which exhibits a small change with time in physical properties such as a degree of elongation or boiling water shrinkage during its transportation or storage, while having a certain degree of elongation.

IPC 8 full level  
**D01F 8/14** (2006.01); **D01D 5/34** (2006.01); **D01F 8/12** (2006.01)

CPC (source: EP US)  
**D01D 5/34** (2013.01 - EP US); **D01F 1/09** (2013.01 - EP US); **D01F 8/14** (2013.01 - EP US); **Y10T 428/2929** (2015.01 - EP US)

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