

Title (en)

Conductive composite filaments and fibrous articles containing the same.

Title (de)

Zusammengesetzte leitfähige Fasern und diese Fasern enthaltende faserige Artikel.

Title (fr)

Filaments composites conductifs et articles fibreux contenant ces filaments.

Publication

EP 0276756 A2 19880803 (EN)

Application

EP 88100844 A 19880121

Priority

- JP 2086087 A 19870130
- JP 6945487 A 19870323
- JP 30623387 A 19871202

Abstract (en)

A conductive composite filament comprising a non-conductive sheath component of a fiber-forming thermoplastic polymer and a conductive component consisting of a thick conductive core and a thin conductive path, which is lapped in said sheath and composed of a mixture of a thermoplastic polymer with inorganic conductive particles. The conductive path extends laterally from the periphery of the core, transversely through the sheath, up to or close to the outer circumference of the sheath and longitudinally along the entire length of the core, exposing its tip lengthwise continuously or intermittently and not more than 1.5 μm in width on the surface of the filament.

IPC 1-7

D01F 1/09; **D01F 8/04**

IPC 8 full level

D01F 1/09 (2006.01); **D01F 8/04** (2006.01)

CPC (source: EP KR)

D01F 1/09 (2013.01 - EP); **D01F 8/04** (2013.01 - EP KR); **H05F 3/04** (2013.01 - KR)

Cited by

US5126201A; DE9108057U1; EP0343496A3; DE4110279A1; WO9637656A1; WO9628611A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0276756 A2 19880803; **EP 0276756 A3 19900221**; **EP 0276756 B1 19940406**; CA 1285358 C 19910702; DE 3888856 D1 19940511; DE 3888856 T2 19940818; KR 880009536 A 19880915; KR 900008725 B1 19901127

DOCDB simple family (application)

EP 88100844 A 19880121; CA 556540 A 19880114; DE 3888856 T 19880121; KR 880000844 A 19880130