

Title (en)

Divisible hollow copolyester fibers and divided copolyester fibers, woven or knitted fabric, artificial leather and nonwoven fabric comprising same

Title (de)

Teilbare Hohlfasern und geteilte Fasern aus Copolyester, daraus hergestellte Gewebe, Gewirke, Kunstleder und Vlies

Title (fr)

Fibres creuses divisibles et fibres divisées en copolyester, étoffe tissée, tricotée ou non tissée et cuir artificiel les comprenant

Publication

**EP 0953660 A1 19991103 (EN)**

Application

**EP 99303358 A 19990429**

Priority

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Abstract (en)

Divisible hollow copolyester fibers having a satisfactory processing property, for example, carding property and capable of being divided by applying a mechanical stress thereto into fibril-like thin fibers, each include a hollow portion surrounded by a shell portion and extending along the longitudinal axes of the hollow fibers, wherein the shell portion is made from a copolyester of an acid component including terephthalic acid and 1 to 6 molar % of a sulfonate group-containing dicarboxylic acid, with a diol component including ethylene glycol; the hollow fibers have (1) thickness of 0.56 to 8.89 d tex (0.5 to 8.0 denier), (2) a hollow ratio of 25/100 or more, (3) a crystallization degree of 20% or more, and (4) a crystal size in (010) plane of 4 nm or more; and the shell portions each have a plurality of cracks intermittently extending along the longitudinal axes of the hollow fibers. <IMAGE>

IPC 1-7

**D01F 6/84**; **D01D 5/24**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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