

Title (en)  
Regenerated cellulose fibre

Title (de)  
Regenerierte Cellulosefaser

Title (fr)  
Fibre de cellulose régénérée

Publication  
**EP 2546395 A1 20130116 (DE)**

Application  
**EP 11174140 A 20110715**

Priority  
EP 11174140 A 20110715

Abstract (en)  
Regenerated cellulose fiber (1), whose cross-section exhibits an elongated flat portion (3), from which at least one side (4) branches, whose length is not > 40% of the length of the elongated portion, is claimed. Independent claims are also included for: (1) a fiber bundle comprising many regenerated cellulose fibers having many sides, where at least 10%, preferably at least 50% of the cellulose fibers having many sides are present in the form of the cellulose fiber; and (2) preparing the regenerated cellulose fiber or the fiber bundle, comprising (i) providing a viscose spinning mass, and (ii) spinning the viscose spinning mass through at least one opening of a spinneret in a spinning bath to form spinning threads. The opening of the spinneret comprises a slit-shaped section, from which at least one side branches.

Abstract (de)  
Die Erfindung betrifft eine regenerierte Cellulosefaser (1"), deren Querschnitt einen länglichen, im wesentlichen flachen Abschnitt (3) aufweist. Die erfindungsgemäße Faser ist dadurch gekennzeichnet, dass von dem länglichen Abschnitt zumindest ein Schenkel (4, 5, 6, 7) abzweigt, dessen Länge maximal 40% der Länge des länglichen Abschnittes (3) beträgt.

IPC 8 full level  
**D01F 2/06** (2006.01)

CPC (source: EP US)  
**D01D 5/253** (2013.01 - EP US); **D01F 2/00** (2013.01 - EP US); **D01F 2/06** (2013.01 - EP US); **Y10T 428/2395** (2015.04 - EP US); **Y10T 428/249921** (2015.04 - EP US); **Y10T 428/2922** (2015.01 - EP US)

Citation (applicant)  
• US 4129679 A 19781212 - WOODINGS CALVIN R  
• EP 0301874 A1 19890201 - COURTAULDS PLC [GB]  
• US 5634914 A 19970603 - WILKES ANDREW G [GB], et al  
• US 5458835 A 19951017 - WILKES ANDREW G [GB], et al  
• US 4362159 A 19821207 - SAKURAI AKIRA, et al  
• WO 2004085720 A1 20041007 - CHEMIEFASER LENZING AG [AT], et al  
• WO 2004005595 A1 20040115 - CHEMIEFASER LENZING AG [AT], et al  
• GB 1333047 A 19731010 - COURTAULDS LTD  
• US 6403217 B1 20020611 - PHILLIPS BOBBY MAL [US], et al  
• EP 0301874 A1 19890201 - COURTAULDS PLC [GB]

Citation (search report)  
• [ID] US 6403217 B1 20020611 - PHILLIPS BOBBY MAL [US], et al  
• [A] WO 8901062 A1 19890209 - COURTAULDS PLC [GB]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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**EP 11174140 A 20110715**; AU 2012286157 A 20120626; BR 112014000826 A 20120626; CA 2839234 A 20120626; CN 201280035135 A 20120626; EP 12730931 A 20120626; EP 2012062376 W 20120626; JP 2014519487 A 20120626; KR 20147000669 A 20120626; US 201214232828 A 20120626