

Title (en)  
Regenerated cellulose fibre

Title (de)  
Regenerierte Cellulosefaser

Title (fr)  
Fibre de cellulose régénérée

Publication  
**EP 2599900 A1 20130605 (DE)**

Application  
**EP 11191093 A 20111129**

Priority  
EP 11191093 A 20111129

Abstract (en)  
Regenerated cellulose fiber in the form of a solid viscose flat fiber, is claimed. The fiber is made of more than 98% cellulose. The ratio of the width to the thickness of fiber is  $\geq 10:1$ . The fiber surface is substantially smooth and the fiber is transparent. Independent claims are also included for: (1) fiber bundle comprising a number of cellulose fibers; (2) producing the cellulose fiber or the fiber bundle, comprising providing a viscose spinning mass, spinning the viscose spinning mass through at least one slot-shaped orifice of a spinneret in a spinning bath to form filaments, where the viscose spinning mass contains a coagulation retardant, preferably polyethylene glycol, where the ratio of length to width of the nozzle slot is 10:1-30:1, preferably 15:1-25:1, and a content of sulfuric acid in the spinning bath is 110-140 g/l, preferably 120-130 g/l, removing the spun filaments with a nozzle lag of 2-3, and stretching the spun filaments after leaving the spinning bath in a proportion of 20-35%, preferably 25-35%; and (3) a paper comprising cellulose fiber and fiber bundle.

Abstract (de)  
Die Erfindung betrifft eine regenerierte Cellulosefaser in Form einer massiven Viskoseflachfaser mit folgenden Eigenschaften: - Die Faser besteht zu mehr als 98% aus Cellulose - Das Verhältnis von Breite B zu Dicke D der Faser ist 10:1 oder größer - Die Faseroberfläche ist im wesentlichen glatt - Die Faser ist im wesentlichen transparent Die erfindungsgemäße Faser eignet sich insbesondere zur Herstellung von Papier.

IPC 8 full level  
**D01D 5/06** (2006.01); **D01D 5/253** (2006.01); **D01F 2/08** (2006.01); **D21H 13/08** (2006.01)

CPC (source: EP US)  
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Citation (applicant)  
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Designated contracting state (EPC)  
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