

Title (en)

Textile-processing machine comprising a fibre feed channel and a fibre guiding surface

Title (de)

Textilverarbeitungsmaschine mit einem Faserförderkanal und einer Faserführungsfläche

Title (fr)

Machine textile comprenant un canal pour alimenter des fibres et une surface pour guider des fibres

Publication

EP 1335050 B1 20080716 (DE)

Application

EP 03000507 A 20030109

Priority

CH 2352002 A 20020212

Abstract (en)

[origin: EP1335050A2] A fibre guide (3c) in an air spinning process to make a thread from staple sliver. The guide (3c) especially has a fibre guide passage (4) with sidewalls (18) terminating in a fibre release edge (6), surrendering the staple fibres side-by-side in parallel as a flat web (20). The laminar flow channel sidewalls have a flow detachment line (17) which causes free thread ends to lift from the flat web. The channel (4) is essentially of uniform cross-sectional area (A) until the detachment widening line (17). The channel subsequently widens.

IPC 8 full level

D01H 4/02 (2006.01); **D02J 1/00** (2006.01); **D01H 1/115** (2006.01); **D01H 4/38** (2006.01)

CPC (source: EP US)

D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - EP US); **D01H 4/38** (2013.01 - EP US)

Cited by

EP2453045A3; EP2813604A1; CN104233530A; EP3680373A1; EP3792381A1; WO2005045105A1; WO2008110137A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1335050 A2 20030813; **EP 1335050 A3 20040114**; **EP 1335050 B1 20080716**; AT E401440 T1 20080815; CN 100537864 C 20090909; CN 1438366 A 20030827; DE 50310137 D1 20080828; JP 2003268636 A 20030925; JP 4511799 B2 20100728; US 2003177751 A1 20030925; US 6928803 B2 20050816

DOCDB simple family (application)

EP 03000507 A 20030109; AT 03000507 T 20030109; CN 03104406 A 20030211; DE 50310137 T 20030109; JP 2003032862 A 20030210; US 36429703 A 20030211