

Title (en)
Apparatus for forming a man-made vitreous fibre web

Title (de)
Apparat, um ein künstliches Glasfaser-Web zu bilden

Title (fr)
L'appareil pour former un web de fibre vitreux artificiel

Publication
EP 1086054 B1 20041124 (EN)

Application
EP 99917824 A 19990318

Priority
• EP 99917824 A 19990318
• EP 9901806 W 19990318
• EP 98302661 A 19980406

Abstract (en)
[origin: WO9951535A1] A man-made vitreous fibre batt is made using two or more centrifugal spinners (1, 2, 3) arranged in side-by-side relationship by fiberising melt on the spinners and collecting the fibres on a conveyor (5) as a web, and cross-lapping the web to make a batt, wherein two or more fiberising parameters selected from the physical properties, chemical analysis, melt flow, position, acceleration field or air flow field are adjusted in order to control the thickness properties of the batt. Both the process and the apparatus is novel. By the invention it is possible to obtain a batt having differing properties in the core (12) from either or both of the face sections (10, 11).

IPC 1-7
C03B 37/05; C03B 37/07

IPC 8 full level
C03B 37/05 (2006.01); **C03B 37/07** (2006.01); **D04H 1/4218** (2012.01); **D04H 1/4226** (2012.01); **D04H 1/58** (2012.01); **D04H 1/70** (2012.01); **D04H 1/732** (2012.01); **D04H 1/74** (2006.01); **D04H 3/004** (2012.01); **D04H 3/12** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)
D04H 1/4218 (2013.01); **D04H 1/4226** (2013.01); **D04H 1/655** (2013.01); **D04H 1/732** (2013.01); **D04H 1/74** (2013.01); **D04H 3/004** (2013.01); **D04H 3/12** (2013.01); **D04H 13/00** (2013.01)

Cited by
RU2634378C2; EP4257738A3; US11572645B2; WO2019043290A1; US10703668B2; US11939255B2

Designated contracting state (EPC)
AT BE DE ES FI FR GB NL PT SE

Designated extension state (EPC)
SI

DOCDB simple family (publication)
WO 9951535 A1 19991014; AT E283244 T1 20041215; AU 3597199 A 19991025; DE 69922192 D1 20041230; DE 69922192 T2 20060216; DE 69922192 T3 20101014; EP 1086054 A1 20010328; EP 1086054 B1 20041124; EP 1086054 B2 20100414; ES 2232129 T3 20050516; ES 2232129 T5 20100714; HU 228317 B1 20130328; HU P0103092 A2 20020128; HU P0103092 A3 20070828; PL 191294 B1 20060428; PL 343457 A1 20010813; SI 1086054 T1 20050630; SI 1086054 T2 20100831

DOCDB simple family (application)
EP 9901806 W 19990318; AT 99917824 T 19990318; AU 3597199 A 19990318; DE 69922192 T 19990318; EP 99917824 A 19990318; ES 99917824 T 19990318; HU P0103092 A 19990318; PL 34345799 A 19990318; SI 9930715 T 19990318