

Title (en)

Process and apparatus for collecting mineral fibres.

Title (de)

Verfahren und Einrichtung zur Ablagerung von Mineralfasern.

Title (fr)

Procédé et dispositif de réception de fibres minérales.

Publication

EP 0406107 A1 19910102 (FR)

Application

EP 90401839 A 19900627

Priority

EP 89401864 A 19890629

Abstract (en)

[origin: JPH0340853A] PURPOSE: To produce a mineral fiber mat having from low density to high density by using an apparatus comprising a fiber producing machine, an accumulating machine and a conveyor belt and accumulating mineral fibers drawn out by a gas on a transferring conveyor belt. CONSTITUTION: This mineral fibers mat having a uniform thickness and excellent mechanical strength without any polymerization of a binder resin in accumulating operation is obtained by accumulating mineral fibers (preferably glass fibers) drawn out from spinnerets in a fiber producing machine 20 by a gas flow on a transferring gas permeable conveyor belt 26 while separating the gas from the fibers between drums 21 having gas-permeable surfaces and a vacuum sucking chamber inside.

Abstract (fr)

L'invention concerne la réception de fibres sous des machines de fibrage (1,2,3) en vue de l'obtention d'un matelas en laine minérale. Elle propose d'affecter à chaque machine de fibrage sa propre zone de collecte (Z1,Z2,Z3), les surfaces des zones de collecte étant croissantes dans le sens de l'augmentation des grammages. L'invention propose également un dispositif caractérisé par la présence de deux tambours de réception pour trois machines de fibrage.

IPC 1-7

D04H 1/00; D04H 1/72

IPC 8 full level

C03B 37/00 (2006.01); **D01G 25/00** (2006.01); **D04H 1/00** (2006.01); **D04H 1/72** (2012.01); **D04H 1/74** (2006.01); **D04H 3/16** (2006.01); **E04B 1/76** (2006.01)

IPC 8 main group level

D04H (2006.01)

CPC (source: EP US)

D04H 1/4209 (2013.01 - EP US); **D04H 1/4218** (2013.01 - EP US); **D04H 1/4226** (2013.01 - EP US); **D04H 1/732** (2013.01 - EP US); **D04H 1/74** (2013.01 - EP US); **B27N 3/04** (2013.01 - EP); **E04B 2001/7683** (2013.01 - EP US)

Citation (search report)

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- [Y] FR 1063235 A 19540430 - OWENS CORNING FIBERGLASS CORP
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- [A] FR 1234390 A 19601017 - OWENS CORNING FIBERGLASS CORP
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AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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EP 90401839 A 19900627; AR 31728190 A 19900629; AT 90401839 T 19900627; AU 5718390 A 19900618; BR 9003076 A 19900629; CA 2020070 A 19900628; CN 90103171 A 19900628; CS 317590 A 19900626; DD 34228490 A 19900629; DE 69008055 T 19900627; DK 90401839 T 19900627; ES 90401839 T 19900627; FI 903272 A 19900628; HR P950202 A 19950331; HU 402690 A 19900628; IE 218790 A 19900618; JP 17038390 A 19900629; KR 900009611 A 19900628; NO 902859 A 19900627; NO 920634 A 19920218; NZ 23413790 A 19900619; PL 28585790 A 19900629; PT 9451990 A 19900627; SI 9011204 A 19900619; SK 317590 A 19900626; TR 66990 A 19900627; US 54560690 A 19900629; US 98993492 A 19921210; YU 120490 A 19900619; ZA 904810 A 19900621