

Title (en)

Method for manufacturing glass chopped strand mat

Title (de)

Verfahren zur Herstellung einer Matte aus Schnittglasfasern

Title (fr)

Méthode pour fabriquer un matelas de fibres de verre coupées

Publication

EP 2610383 A1 20130703 (EN)

Application

EP 12199714 A 20121228

Priority

JP 2011288876 A 20111228

Abstract (en)

A technique of manufacturing a high-quality glass chopped strand mat (particularly, a lightweight glass chopped strand mat) which is applicable to a molded ceiling material for recent cars which have excellent design and a reduced weight, is established. A method for manufacturing a glass chopped strand mat by shaping, into a sheet, glass chopped strand (S) obtained by cutting a glass fiber (F), includes a distribution and putting step of distributing and putting the glass chopped strands (S) while allowing the glass chopped strands (S) to fall in a chamber (10), and an adjustment step of adjusting a state of the falling glass chopped strands (S). The chamber (10) includes a plurality of supply units (20) for supplying the glass chopped strands (S), and a partition member (2) for separating the plurality of supply units (20) from each other. The adjustment step is performed so that the glass chopped strands (S) do not contact the partition member (2) when the glass chopped strands (S) are falling.

IPC 8 full level

D04H 1/736 (2012.01); **D04H 1/4218** (2012.01); **D04H 1/4226** (2012.01); **D04H 1/732** (2012.01)

CPC (source: EP)

D04H 1/4218 (2013.01); **D04H 1/4226** (2013.01); **D04H 1/732** (2013.01); **D04H 1/736** (2013.01)

Citation (applicant)

- JP H07138861 A 19950530 - NIPPON ELECTRIC GLASS CO
- JP H0716836 A 19950120 - NITTO BOSEKI CO LTD

Citation (search report)

- [YD] JP H07138861 A 19950530 - NIPPON ELECTRIC GLASS CO
- [YD] JP H0716836 A 19950120 - NITTO BOSEKI CO LTD
- [Y] US 4204644 A 19800527 - KOZUKA MIKIO [JP]
- [A] US 3850601 A 19741126 - STAPLEFORD S, et al
- [A] US 4355438 A 19821026 - REEVES JR JAMES E, et al
- [A] WO 9742368 A1 19971113 - OWENS CORNING CANADA INC [CA]

Cited by

CN105803667A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2610383 A1 20130703; **EP 2610383 B1 20150225**; JP 2013151773 A 20130808; JP 6043155 B2 20161214

DOCDB simple family (application)

EP 12199714 A 20121228; JP 2012238569 A 20121030