

Title (en)
Apparatus for manufacturing glass chopped strand mat

Title (de)
Vorrichtung zur Herstellung einer Glasfaserschnittmatte

Title (fr)
Appareil de fabrication d'une nappe de fils de verre coupés

Publication
EP 2610382 A1 20130703 (EN)

Application
EP 12199711 A 20121228

Priority
JP 2011288875 A 20111228

Abstract (en)
A glass chopped strand mat manufacturing apparatus is provided which can improve the production efficiency and quality of a glass chopped strand mat, particularly a lightweight one . An apparatus for manufacturing a glass chopped strand mat (M) by shaping glass chopped strands S into a sheet, includes first conveying means (50) for continuously conveying the glass chopped strands (S) in a distributed form while spraying resin powder (A) serving as a binder, and second conveying means (60) for continuously conveying the glass chopped strands (S) to which the resin powder A adheres while performing a heating treatment on the glass chopped strands (S) at a temperature higher than the melting point of the resin powder (A). The second conveying means (60) includes a plurality of rollers arranged from upstream to downstream, where a conveying direction of the glass chopped strands (S) is defined as a flow direction, and a cooling structure is provided for at least one of the plurality of rollers.

IPC 8 full level
D04H 1/4218 (2012.01); **D04H 1/4226** (2012.01); **D04H 1/60** (2006.01); **D04H 1/736** (2012.01)

CPC (source: EP)
D04H 1/40 (2013.01); **D04H 1/4218** (2013.01); **D04H 1/4226** (2013.01); **D04H 1/60** (2013.01); **D04H 1/736** (2013.01); **D04H 5/02** (2013.01)

Citation (applicant)
JP 2009256866 A 20091105 - DENKI GLASS FIBER KAKO KK, et al

Citation (search report)
• [A] JP 2010248682 A 20101104 - NIPPON ELECTRIC GLASS CO
• [AD] JP 2009256866 A 20091105 - DENKI GLASS FIBER KAKO KK, et al
• [A] JP 2011099189 A 20110519 - NITTO BOSEKI CO LTD
• [A] JP 2010053503 A 20100311 - NIPPON ELECTRIC GLASS CO, et al

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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