

Title (en)
Method and device for creating a UD layer

Title (de)
Vorrichtung und Verfahren zum Erzeugen einer UD-Lage

Title (fr)
Dispositif et procédé de production d'une couche UD

Publication
EP 2327648 B1 20130925 (DE)

Application
EP 10008359 A 20100811

Priority
DE 102009056189 A 20091127

Abstract (en)
[origin: EP2327648A2] The device for producing uni-directional layer (7) from a predetermination number of filament strands (10), comprises a dispenser arrangement (8) for issuing the filament strands, a storage system (16) for intermediate storage of the filament strands, a spreader arrangement, and an output. The storage system comprises a storage for each filament strands. The storage is relatively arranged to each other adjacent to movable filament strands. The storage system comprises a fault sensor. A supply work is arranged between the dispenser arrangement and the storage system. The device for producing uni-directional layer (7) from a predetermination number of filament strands (10), comprises a dispenser arrangement (8) for issuing the filament strands, a storage system (16) for intermediate storage of the filament strands, a spreader arrangement, and an output. The storage system comprises a storage for each filament strands. The storage is relatively arranged to each other adjacent to movable filament strands. The storage system comprises a fault sensor. A supply work is arranged between the dispenser arrangement and the storage system. A filament strand-drive arrangement is arranged in running direction behind the spreader arrangement, which comprises a spreading device, which is arranged at different positions, where the adjacent filament strands run through different spreading device. The spreader arrangement is arranged downstream to a calibration device, which forms a breadth reduction device for each filament strands. The calibration device comprises a bandwidth variation device. A dividing device (24) is arranged before the spreader arrangement, which comprises a guide body with a groove for each filament strands. The filament strand-drive device comprises a nip in which the spread filament strands are impinged with a pressure. An independent claim is included for a method for producing uni-directional layer.

IPC 8 full level
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CPC (source: EP US)
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