

Publication

EP 0754794 A3 19970129

Application

EP 96111444 A 19960716

Priority

- DE 19526000 A 19950717
- DE 19624912 A 19960621

Abstract (en)

[origin: EP0754794A2] A machine for making semi-finished reinforcing fabrics esp. with a thermoplastic matrix has a feed device (4) for the reinforcing fibres followed by a consolidating device (6) and a wind-up (7). A transport band holds the fabric in a defined position and consists of a needled apron (1) with projecting pins. Pref. a non-woven (2) is fed on to a moving pinned apron (1) which supports it over the full width. Reinforcing fibres, e.g. glass fibre rovings, are deposited in the desired position by a traversing feed which incorporates a press roller to place the rovings on the pins against a pressure plate (9). A second non-woven (3) covers the reinforcement and the assembly is removed from the pinned apron (1) by a stripper (8), consolidated between rollers (6) and wound up (7) for further processing. The pins are equally spaced at, pref. 1 - 3 mm, approximately 3 mm high and inclined in the forward feed direction. The apron (1) is driven at the same speed as the rollers (6). The apron width is pref. limited to 3 m and several aprons can be used in parallel.

IPC 1-7

D04H 3/02

IPC 8 full level

D04H 3/02 (2006.01)

CPC (source: EP US)

D04H 3/004 (2013.01 - EP US); **D04H 3/02** (2013.01 - EP US); **D04H 5/06** (2013.01 - EP US)

Citation (search report)

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- [A] US 4451515 A 19840529 - CLAUSEN VICTOR H [US], et al
- [A] US 3488819 A 19700113 - JACKSON ROBERT C

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WO2011144296A1

Designated contracting state (EPC)

FI FR GB IT

DOCDB simple family (publication)

EP 0754794 A2 19970122; **EP 0754794 A3 19970129**; US 5788804 A 19980804

DOCDB simple family (application)

EP 96111444 A 19960716; US 68309896 A 19960716