

Title (en)

DEVICE AND METHOD FOR COMPACTING A FIBER COMPOSITE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VERFESTIGEN EINES FASERVERBUNDES

Title (fr)

DISPOSITIF ET PROCEDE DE CONSOLIDATION D'UN COMPOSITE FIBRE

Publication

EP 1490641 A1 20041229 (DE)

Application

EP 03708272 A 20030328

Priority

- EP 03708272 A 20030328
- EP 0303218 W 20030328
- EP 02405255 A 20020402

Abstract (en)

[origin: EP1351030A1] Device for compacting a continuous fiber composite (V) transported along a transport path (F) by heating or cooling comprises at least one nozzle arrangement (2a) on at least one side (3a) of the transport path for blowing an especially heated treatment medium (L) in the direction of the transport path. The nozzle arrangement has a number of blast nozzles (4) arranged next to each other a separation distance (a) apart with an intermediate space (5) in between. The intermediate space between the blast nozzles is/can be closed off from the transport path. An Independent claim is also included for a process for compacting a fiber composite. Preferred Features: The intermediate space between the blast nozzles is closed so that between the nozzle arrangement and the fiber composite a pressure chamber (6) is formed in which an excess pressure (P) is produced with the blast nozzles.

IPC 1-7

F26B 13/10; **F26B 17/02**

IPC 8 full level

F26B 13/10 (2006.01); **F26B 17/02** (2006.01)

CPC (source: EP US)

F26B 13/101 (2013.01 - EP US); **F26B 17/026** (2013.01 - EP US)

Citation (search report)

See references of WO 03083394A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1351030 A1 20031008; AU 2003212382 A1 20031013; BR 0308986 A 20050209; CA 2480805 A1 20031009; CN 100557356 C 20091104; CN 1659414 A 20050824; EP 1490641 A1 20041229; US 2005252034 A1 20051117; US 7032323 B2 20060425; WO 03083394 A1 20031009

DOCDB simple family (application)

EP 02405255 A 20020402; AU 2003212382 A 20030328; BR 0308986 A 20030328; CA 2480805 A 20030328; CN 03812723 A 20030328; EP 0303218 W 20030328; EP 03708272 A 20030328; US 50973104 A 20040930