

Title (en)

METHOD AND APPARATUS FOR ALIGNING DISCONTINUOUS FIBRES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSRICHTEN VON DISKONTINUIERLICHEN FASERN

Title (fr)

PROCEDE ET APPAREIL D'ALIGNEMENT DE FIBRES DISCONTINUES

Publication

**EP 2986768 B1 20170719 (EN)**

Application

**EP 14716388 A 20140404**

Priority

- GB 201306762 A 20130415
- GB 2014051053 W 20140404

Abstract (en)

[origin: WO2014170637A1] A method of manufacturing a fibre preform with aligned discontinuous fibres. A jet of liquid containing discontinuous fibres is directed onto an alignment surface from a nozzle so that the jet meets the alignment surface at an oblique angle and is deflected by the alignment surface into a channel between an opposed pair of channel surfaces. The fibres move along the channel after the jet has been deflected into the channel by the alignment surface. The liquid is removed from the fibres to provide the fibre preform which may optionally be impregnated with matrix to form a composite tape. At least some of the fibres have a length greater than a spacing between the channel surfaces.

IPC 8 full level

**D04H 1/74** (2006.01)

CPC (source: EP)

**D04H 1/74** (2013.01)

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

DOCDB simple family (publication)

**WO 2014170637 A1 20141023**; EP 2986768 A1 20160224; EP 2986768 B1 20170719; GB 201306762 D0 20130529

DOCDB simple family (application)

**GB 2014051053 W 20140404**; EP 14716388 A 20140404; GB 201306762 A 20130415