

Title (en)

Device and Method for spreading a carbon fibres tow

Title (de)

Vorrichtung und Verfahren zum Ausbreiten eines Karbonfaserstrangs

Title (fr)

Dipositif et méthode de séparation d'un faisceau de fibres de carbone

Publication

EP 1783252 B1 20081022 (DE)

Application

EP 06015960 A 20060801

Priority

DE 102005052660 A 20051104

Abstract (en)

[origin: EP1783252A1] Device for spreading a carbon fiber tow (2) to form a carbon fiber tape (3) comprises comprises a heater (14) and a spreader (9), where the heater comprises a series of electrodes (15-17) that are contacted by the tow as it moves towards the spreader and are connected to a voltage source. An independent claim is also included for spreading a carbon fiber tow to form a carbon fiber tape by heating and then widening the tow, where heating is effected by generating a current flow in a predetermined length of the tow.

IPC 8 full level

D01D 11/02 (2006.01); **D02J 1/18** (2006.01)

CPC (source: EP US)

D02J 1/18 (2013.01 - EP US)

Cited by

CN103603119A; CN103757784A; KR20190102110A; US10378125B2; WO2016142781A1; WO2014180630A1; US10814524B2; US10864657B2; US10953569B2

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EP 1783252 A1 20070509; EP 1783252 B1 20081022; CN 100594266 C 20100317; CN 1958895 A 20070509; DE 102005052660 B3 20070426; DE 502006001877 D1 20081204; JP 2007126810 A 20070524; JP 4320337 B2 20090826; US 2007101564 A1 20070510; US 7536761 B2 20090526

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EP 06015960 A 20060801; CN 200610143293 A 20061103; DE 102005052660 A 20051104; DE 502006001877 T 20060801; JP 2006297889 A 20061101; US 55059306 A 20061018