

Title (en)
DEVICES AND METHODS FOR CONVEYING FIBERS

Title (de)
VORRICHTUNGEN UND VERFAHREN ZUR BEFÖRDERUNG VON FASERN

Title (fr)
DISPOSITIFS ET PROCÉDÉS DESTINÉS AU TRANSPORT DE FIBRES

Publication
EP 2029464 A1 20090304 (EN)

Application
EP 06773675 A 20060621

Priority
US 2006024119 W 20060621

Abstract (en)
[origin: WO2007149080A1] Devices and methods for conveying fibers are disclosed. According to the invention, fibers (1) are conveyed through a conduit (2) using a plurality of in-line flow amplifiers (6, 7, 8, 9). In this manner, the crimped material may be transported along steep gradients with significantly smaller changes in bulk properties when compared with conventional transport mechanisms that merely pull the crimped material along the line of travel.

IPC 8 full level
B65H 51/16 (2006.01); **A24D 3/02** (2006.01); **D01H 5/00** (2006.01)

CPC (source: EP)
B65H 51/16 (2013.01); **D01H 5/005** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)
See references of WO 2007149080A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2007149080 A1 20071227; CN 101472818 A 20090701; EP 2029464 A1 20090304; JP 2009541172 A 20091126;
MX 2008015322 A 20081212

DOCDB simple family (application)
US 2006024119 W 20060621; CN 200680055050 A 20060621; EP 06773675 A 20060621; JP 2009516461 A 20060621;
MX 2008015322 A 20060621