

Title (en)

METHOD FOR MILLING LONG FIBER REINFORCED COMPOSITE PLASTICS

Title (de)

VERFAHREN ZUM FRÄSEN VON LANGFASERVERSTÄRKTEN VERBUNDKUNSTSTOFFEN

Title (fr)

PROCÉDÉ DE FRAISAGE DE PLASTIQUES COMPOSITES RENFORCÉS PAR DES FIBRES LONGUES

Publication

EP 2523772 A1 20121121 (DE)

Application

EP 11700792 A 20110107

Priority

- DE 102010004570 A 20100112
- EP 2011000042 W 20110107

Abstract (en)

[origin: WO2011085949A1] The invention relates to a method for milling long fiber reinforced composite plastics having at least one unidirectional top layer using a rotating milling tool, wherein the work piece and tool are moved in an advancing movement parallel to the work piece cutting face relative to each other, wherein there is an edge fiber separation angle on the tool of $0^\circ \leq \alpha < 90^\circ$, and the blade of the tool mills the component edge in synchronization.

IPC 8 full level

B23C 3/00 (2006.01); **B29C 70/54** (2006.01)

CPC (source: EP US)

B23C 3/00 (2013.01 - EP US); **B29C 70/545** (2013.01 - EP US); **B23C 2226/27** (2013.01 - EP US); **Y10T 409/303808** (2015.01 - EP US); **Y10T 409/304032** (2015.01 - EP US); **Y10T 409/304144** (2015.01 - EP US); **Y10T 409/307168** (2015.01 - EP US)

Citation (search report)

See references of WO 2011085949A1

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 2011085949 A1 20110721; BR 112012017244 A2 20160322; DE 102010004570 A1 20110714; DE 102010004570 B4 20110922; EP 2523772 A1 20121121; US 2013020735 A1 20130124

DOCDB simple family (application)

EP 2011000042 W 20110107; BR 112012017244 A 20110107; DE 102010004570 A 20100112; EP 11700792 A 20110107; US 201113521848 A 20110107