

Title (en)  
METHOD FOR PREPARING SURFACES OF CARBON FIBER-REINFORCED PLASTICS FOR FURTHER PROCESSING INTO SUPPORTING STRUCTURAL PARTS

Title (de)  
VERFAHREN ZUR VORBEREITUNG VON OBERFLÄCHEN KOHLENSTOFFFASERVERSTÄRKTER KUNSTSTOFFE FÜR DIE WEITERVERARBEITUNG ZU TRAGENDEN STRUKTURTEILEN

Title (fr)  
PROCEDE DE PREPARATION DE SURFACES DE MATIERES PLASTIQUES RENFORCEES PAR DES FIBRES DE CARBONE PERMETTANT D'OBTENIR DES PIECES STRUCTURELLES PORTANTES

Publication  
**EP 1592535 B1 20100922 (DE)**

Application  
**EP 03795730 A 20031105**

Priority  
• DE 0303675 W 20031105  
• DE 10302594 A 20030122

Abstract (en)  
[origin: US2005130565A1] The invention relates to a method for preparing surfaces of carbon fiber-reinforced plastics for further processing into supporting structural parts of aircraft by abrasive removal of the surface. In order to reduce the risk of cutting fibers during grinding while allowing greater strength of the bond so as to decrease the amount of fashioning to be done, the sand-blasting process is carried out by means of an abrasive that is distributed in dried air. A sharp-edged corundum grain which preferably has a grain size ranging between 0 and 90 µm is used as an abrasive.

IPC 8 full level  
**B24C 1/06** (2006.01); **B05D 3/12** (2006.01); **B05D 7/02** (2006.01)

CPC (source: EP US)  
**B24C 1/06** (2013.01 - EP US); **B05D 3/12** (2013.01 - EP US); **B05D 7/02** (2013.01 - EP US)

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)  
**US 2005130565 A1 20050616**; AT E482054 T1 20101015; DE 10302594 A1 20040729; DE 50313119 D1 20101104; DK 1592535 T3 20101213; EP 1592535 A1 20051109; EP 1592535 B1 20100922; ES 2348707 T3 20101213; PT 1592535 E 20101012; SI 1592535 T1 20101130; WO 2004067229 A1 20040812

DOCDB simple family (application)  
**US 50829004 A 20040917**; AT 03795730 T 20031105; DE 0303675 W 20031105; DE 10302594 A 20030122; DE 50313119 T 20031105; DK 03795730 T 20031105; EP 03795730 A 20031105; ES 03795730 T 20031105; PT 03795730 T 20031105; SI 200331877 T 20031105