

Title (en)  
TOOL FOR MACHINING COMPOSITE MATERIAL PARTS

Title (de)  
WERKZEUG ZUR MASCHINELLEN BEARBEITUNG VON VERBUNDMATERIALTEILEN

Title (fr)  
OUTIL POUR L'USINAGE DE PIÈCES EN MATÉRIAUX COMPOSITES

Publication  
**EP 1948399 A1 20080730 (FR)**

Application  
**EP 06807497 A 20061024**

Priority  
• EP 2006067699 W 20061024  
• FR 0553260 A 20051027

Abstract (en)  
[origin: WO2007048781A1] The invention relates to a tool for machining composite material parts and to a machine tool provided therewith. The inventive tool is provided with a substantially cylindrical main body which comprises a polishing part (1) having a diameter R1 and a main axis (2) and an abrasive part (3) whose diameter R2 is smaller than the diameter R1 ( $R2 < R1$ ) and which is centred with respect to said main axis. In addition, the abrasive part is provided with at least one cutting element (5) on the end (4) thereof enabling the tool to be driven into composite material parts, wherein said cutting element is provided with a cavity embodied in the form of an inverted truncated cone.

IPC 8 full level  
**B24D 7/00** (2006.01); **B24D 7/02** (2006.01); **B24D 7/10** (2006.01); **B24D 7/18** (2006.01); **B24D 99/00** (2010.01)

CPC (source: EP US)  
**B24D 7/00** (2013.01 - EP US); **B24D 7/02** (2013.01 - EP US); **B24D 7/10** (2013.01 - EP US); **B24D 7/18** (2013.01 - EP US); **Y10T 407/10** (2015.01 - EP US); **Y10T 407/27** (2015.01 - EP US)

Citation (search report)  
See references of WO 2007048781A1

Cited by  
FR2994871A1

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

DOCDB simple family (publication)  
**WO 2007048781 A1 20070503**; AT E440700 T1 20090915; BR PI0617533 A2 20110726; CA 2625738 A1 20070503; CA 2625738 C 20131126; CN 101296781 A 20081029; CN 101296781 B 20110330; DE 602006008819 D1 20091008; EP 1948399 A1 20080730; EP 1948399 B1 20090826; FR 2892653 A1 20070504; FR 2892653 B1 20090410; JP 2009513369 A 20090402; JP 5143008 B2 20130213; RU 2008120606 A 20091127; RU 2420393 C2 20110610; US 2009221218 A1 20090903; US 8202141 B2 20120619

DOCDB simple family (application)  
**EP 2006067699 W 20061024**; AT 06807497 T 20061024; BR PI0617533 A 20061024; CA 2625738 A 20061024; CN 200680039538 A 20061024; DE 602006008819 T 20061024; EP 06807497 A 20061024; FR 0553260 A 20051027; JP 2008537079 A 20061024; RU 2008120606 A 20061024; US 9112706 A 20061024