

Title (en)

METHOD FOR MAKING STRUCTURAL ELEMENTS BY MACHINING THICK PLATES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KONSTRUKTIONSELEMENTEN DURCH MASCHINELLE BEARBEITUNG DICKER PLATTEN

Title (fr)

PROCEDE DE FABRICATION D'ELEMENTS DE STRUCTURE PAR USINAGE DE TOLES EPAISSES

Publication

EP 1573080 B1 20101027 (FR)

Application

EP 03813619 A 20031217

Priority

- FR 0303753 W 20031217
- FR 0215997 A 20021217
- US 44699303 P 20030213

Abstract (en)

[origin: WO2004056501A2] The invention concerns a method for making a machined metal part comprising making a metal plate, pre-machining said plate on one or both sides to obtain a pre-machined blank, solution heat-treating said pre-machined blank, hardening, optionally followed by controlled traction. Such a part can be used as structural element in aeronautics.

IPC 8 full level

B21C 37/02 (2006.01); **C21D 8/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/04** (2006.01); **C22F 1/047** (2006.01); **C22F 1/05** (2006.01); **C22F 1/053** (2006.01); **C22F 1/057** (2006.01)

IPC 8 main group level

B21B (2006.01)

CPC (source: EP)

C22F 1/047 (2013.01); **C22F 1/053** (2013.01); **C22F 1/057** (2013.01)

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)

WO 2004056501 A2 20040708; **WO 2004056501 A3 20040819**; AU 2003300632 A1 20040714; AU 2003300632 A8 20040714; BR 0317336 A 20051108; BR 0317336 B1 20130709; CA 2508534 A1 20040708; CA 2508534 C 20110621; EP 1573080 A2 20050914; EP 1573080 B1 20101027; JP 2006510808 A 20060330; RU 2005122471 A 20060210; RU 2341585 C2 20081220

DOCDB simple family (application)

FR 0303753 W 20031217; AU 2003300632 A 20031217; BR 0317336 A 20031217; CA 2508534 A 20031217; EP 03813619 A 20031217; JP 2005502575 A 20031217; RU 2005122471 A 20031217