

Title (en)
EQUIPMENT FOR PRODUCING A CLOSED-SECTION CROSS-MEMBER, COMPRISING AN ADAPTABLE-LENGTH PUNCH AND/OR MATRIX, AND CORRESPONDING PRODUCTION METHOD

Title (de)
EINRICHTUNG ZUR HERSTELLUNG EINES QUERTRÄGERS MIT GESCHLOSSENEM PROFIL MIT EINER STANZE UND/ODER MATRIZE MIT ANPASSBARER LÄNGE UND ENTSPRECHENDES HERSTELLUNGSVERFAHREN

Title (fr)
OUTILLAGE DE FABRICATION D'UNE TRAVERSE A SECTION FERMEE COMPRENANT UNE MATRICE ET/OU UN POINCON DE LONGUEUR ADAPTABLE, ET PROCEDE DE FABRICATION CORRESPONDANT

Publication
EP 1933999 B1 20090930 (FR)

Application
EP 06820253 A 20061004

Priority
• FR 2006050990 W 20061004
• FR 0510131 A 20051004

Abstract (en)
[origin: FR2891480A1] Tooling for the fabrication of a crosspiece with a closed section for connecting two longitudinal arms of a motor vehicle axle comprises a die (3) cooperating with a punch (2) for forming on the closed section of the crosspiece a lengthwise zone of torsion (L) and a mechanism for retaining the crosspiece in position. The die and/or the punch are adaptable in length to enable the length of the zone of torsion to be adapted. An independent claim is also claimed for the fabrication of a crosspiece with a closed section.

IPC 8 full level
B21D 53/90 (2006.01)

CPC (source: EP US)
B21D 22/025 (2013.01 - EP US); **B21D 53/88** (2013.01 - EP US); **B21D 53/90** (2013.01 - EP US)

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)
FR 2891480 A1 20070406; FR 2891480 B1 20080404; AT E444129 T1 20091015; DE 602006009531 D1 20091112;
EP 1933999 A1 20080625; EP 1933999 B1 20090930; JP 2009509774 A 20090312; PL 1933999 T3 20100730; US 2009071220 A1 20090319;
WO 2007039703 A1 20070412

DOCDB simple family (application)
FR 0510131 A 20051004; AT 06820253 T 20061004; DE 602006009531 T 20061004; EP 06820253 A 20061004; FR 2006050990 W 20061004;
JP 2008534059 A 20061004; PL 06820253 T 20061004; US 8913406 A 20061004