

Title (en)

METHOD FOR COLD PRESSING OF A METAL PLATE WITHOUT WRINKLING, FOR MAKING AN AXLE HOUSING.

Title (de)

VERFAHREN ZUM KALTPRESSEN EINER METALLPLATTE OHNE RUNZELBILDUNG, ZUR HERSTELLUNG EINES ACHSENGEHÄUSES

Title (fr)

PROCEDE DE PRESSAGE A FROID D'UNE PLAQUE METALLIQUE SANS PLISSAGE, POUR FABRIQUER UN LOGEMENT D'ESSIEU

Publication

EP 1755805 B1 20110309 (EN)

Application

EP 05745518 A 20050527

Priority

- SE 2005000790 W 20050527
- SE 0401406 A 20040602

Abstract (en)

[origin: WO2005118178A1] The invention relates to a method for preventing the occurrence of wrinkling in a metal plate due to compressive stresses in the metal plate during cold pressing of the latter, and a method for manufacture of an object, starting from a metal plate (10), whereby the object is formed by cold pressing of the metal plate. The cold pressing of the metal plate (10) is preceded by providing slits (12) in the portions (11) of the metal plate where compressive stresses occur as a result of the cold pressing and where wrinkling in the metal plate due to these compressive stresses is to be prevented, said slits (12) being adapted so that the compressive stresses which occur in these portions (11) of the metal plate as a result of the cold pressing of the metal plate cause local thickening (22) of the metal plate in a region around the bottom (15) of each slit (12).

IPC 8 full level

B21D 53/90 (2006.01)

IPC 8 main group level

B21D (2006.01)

CPC (source: EP SE)

B21D 53/90 (2013.01 - EP SE)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005118178 A1 20051215; AT E500909 T1 20110315; BR PI0510795 A 20071120; DE 602005026806 D1 20110421; EP 1755805 A1 20070228; EP 1755805 B1 20110309; ES 2361199 T3 20110614; SE 0401406 D0 20040602; SE 0401406 L 20051203; SE 527277 C2 20060131

DOCDB simple family (application)

SE 2005000790 W 20050527; AT 05745518 T 20050527; BR PI0510795 A 20050527; DE 602005026806 T 20050527; EP 05745518 A 20050527; ES 05745518 T 20050527; SE 0401406 A 20040602