

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

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Application

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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).

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