

Title (en)  
Method for producing highly dimensionally accurate half shells

Title (de)  
Verfahren zur Herstellung von hochmaßhaltigen Halbschalen

Title (fr)  
Procédé de fabrication de demi-coques de dimensions très précises

Publication  
**EP 2108467 B1 20141126 (DE)**

Application  
**EP 09156326 A 20090326**

Priority  
DE 102008018656 A 20080411

Abstract (en)  
[origin: DE102008018656B3] A method for precision cold pressing of metal sheets has the sheet supplied with a surface relief (2) for strength. The press operates in two stages; - an initial stage where the clamp (4) is set onto the top of the relief to hold the sheet (1) for an initial press operation, and a second stage where the clamp flattens the relief followed by the final press action of the stamp (5). The process is especially suited to high quality steel sheet, or steel alloy sheet.

IPC 8 full level  
**B21D 22/22** (2006.01)

CPC (source: EP US)  
**B21D 13/00** (2013.01 - EP US); **B21D 22/201** (2013.01 - EP US); **B21D 22/22** (2013.01 - EP US)

Cited by  
CN102802830A; WO2010094538A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102008018656 B3 20090312; DE 102008018656 B9 20090709**; EP 2108467 A2 20091014; EP 2108467 A3 20130403; EP 2108467 B1 20141126; US 2009255317 A1 20091015; US 8240184 B2 20120814

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**DE 102008018656 A 20080411**; EP 09156326 A 20090326; US 41895709 A 20090406