

Title (en)
FORMING METHOD

Title (de)
UMFORMVERFAHREN

Title (fr)
PROCÉDÉ DE FORMAGE

Publication
EP 2142320 B1 20120208 (DE)

Application
EP 08733815 A 20080425

Priority
• CH 2008000189 W 20080425
• CH 7502007 A 20070509

Abstract (en)
[origin: WO2008138152A1] A description is given of a method for producing an offset (7) in a metal sheet (2) in a forming process, wherein the sheet (2) is formed in at least one step between a female die (1) with a recess of a predetermined contour (4) and a male die (3) with a peripheral form given essentially by the same contour (4) in a way that guides the contours (4) essentially congruently one on the other. The method is first characterized in that the depth of penetration of the male die (3) into the sheet (2) in a first direction (R1) is set in said first forming process in such a way that a first height (H1), which corresponds essentially to the target height of the offset (7), is reached in the decisive peripheral zones of the offset (7), while the raised surface (8) of the remaining offset (7) reaches a greater height (H). The method is also characterized in that, in a further forming process, the offset (7) is reversed with a resetting die (5), which covers at least said contour (4), in a second direction (R2) counter to the first direction (R1) in such a way that essentially the entire raised surface (8) of the offset (7) is arranged at a second height (H2).

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CPC (source: EP)
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Citation (examination)
• US 2003066329 A1 20030410 - AIZAKI JIRO [JP]
• US 5732587 A 19980331 - MAEDA AKIHIRO [JP], et al

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