

Title (en)

DEVICE AND METHOD FOR THE DEEP DRAWING OF SHELL PARTS WITH INTEGRATED HEAD AND FRAME TRIMMING

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TIEFZIEHEN VON SCHALENTEILEN MIT INTEGRIERTEM KOPF- UND ZARGENBESCHNITT

Title (fr)

DISPOSITIF ET PROCEDE D'EMBOUTISSAGE D'ELEMENTS EN FORME DE COQUE AVEC DECOUPE DU FOND ET DE LA PAROI INTEGREE

Publication

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Application

EP 13700092 A 20130109

Priority

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Abstract (en)

[origin: WO2013104650A1] The invention relates to a device for producing shell parts having at least one base region (2), a frame region (3) and optionally a flange region (4) made from a flat or preformed blank (5), said device having a drawing die (6) as well as a drawing punch (7), wherein the drawing die has a moulding region (9') and at least one trimming region (8'), wherein the moulding region on the drawing die has the outer mould (11) for the shell part to be drawn and cut in the base region, frame region and optionally in the flange region on completion of the drawing process, wherein the drawing punch has a moulding region and at least one trimming region, wherein the moulding region on the drawing punch has the inner mould (10) for the shell part to be drawn and cut with base region, frame region and optionally a flange region on completion of the drawing process. The trimming region on the drawing punch forms a cutting contour with the moulding region on the drawing die, wherein the trimming and moulding regions (5a, 5b) of the plate can be separated at least in the frame and base regions of the finished, moulded shell part during and on completion of the drawing process, preferably in the final drawing process.

IPC 8 full level

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CPC (source: EP US)

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