

Title (en)
METHOD FOR THE MANUFACTURE OF FORGED LIGHT ALLOY WORKPIECES WITH FULL AND HOLLOW CROSS-SECTIONS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON GESCHMIEDETEN WERKSTÜCKEN AUS LEICHTMETALLLEGIERUNG MIT VOLL- UND HOHL-QUERSCHNITTEN

Title (fr)
PROCEDE DE FABRICATION DE PIECES FORGEES EN ALLIAGE LEGER INCORPORANT DES SECTIONS PLEINES OU TIREES D'EPAISSEUR

Publication
EP 2555886 A1 20130213 (FR)

Application
EP 11719334 A 20110405

Priority
• FR 1052586 A 20100406
• FR 2011050757 W 20110405

Abstract (en)
[origin: WO2011124836A1] The process comprises: a) definition of the final hollow part in its internal portion after forging, with deformation of the solid or thinned-down sections; b) modelling of the solid and thinned-down sections; c) formation of the thinned-down sections by means of recyclable single-material cores positioned at the places requiring zones with a thinned-down section, and modelling of the core(s); d) after modelling, definition of the semi-finished product (2) and of the cores in their initial forms having a different configuration from the forged cores; e) after casting of the metal around the core(s), in the prior initial form, striking of the semi-finished product with its cores, resulting in the part and its cores being deformed from their initial shapes to their final shapes; f) fettling of the part; and g) removal of the cores.

IPC 8 full level
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CPC (source: EP US)
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See references of WO 2011124836A1

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