

Title (en)

METHOD FOR PRODUCING A SHAPED COMPONENT COMPRISING AT LEAST TWO JOINING AREAS HAVING DIFFERENT DUCTILITY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FORMBAUTEILS MIT MINDESTENS ZWEI GEFÜGEBEREICHEN UNTERSCHIEDLICHER DUKTILITÄT

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE FAÇONNÉE COMPRENANT AU MOINS DEUX ZONES STRUCTURELLES À DUCTILITÉ DIFFÉRENTE

Publication

EP 2227570 A1 20100915 (DE)

Application

EP 08854114 A 20081103

Priority

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Abstract (en)

[origin: DE102007057855B3] Production of moldings with structure zones (2, 3) of different ductility comprises: (A) cutting a blank (7) from strip (4) of aluminum/silicon coated high-tensile steel; heating it to 830 - 850[deg] C in the first zone (8) of a multizone furnace (11); moving it after the desired dwell time to a second section of the furnace where one zone (12) of the blank is held at 550 - 650[deg] c in one zone (9), while the other (13) is held at 830 - 950[deg] c in a second zone (10); and heat-forming the blank. Independent claims are included for: (A) a similar process, but in which the strip itself is preheated before the blank is cut and this is then heated to different temperatures in two zones; and a similar process, but in which the blank is cooled after the preheating stage before it is heated in the two zones.

IPC 8 full level

C21D 1/673 (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009067976A1

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