

Title (en)
METHOD FOR PRODUCING COMPONENTS FROM LIGHTWEIGHT STEEL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BAUTEILEN AUS LEICHTBAUSTAHL

Title (fr)
PROCÉDÉ DE FABRICATION DE PIÈCES EN ACIER LÉGER

Publication
EP 2994548 A1 20160316 (DE)

Application
EP 13730795 A 20130506

Priority
DE 2013000266 W 20130506

Abstract (en)
[origin: WO2014180456A1] The invention relates to a method for producing components from an austenitic lightweight steel which is metastable in its initial state, by forming of a sheet, a circuit board or a pipe in one or more steps, exhibiting a temperature-dependent TRIP and/or TWIP effect during forming. To obtain a component with, in particular, high toughness, the forming is carried out at a temperature above room temperature, at 40 to 160°C, which avoids the TRIP/TWIP effect, and to achieve in particular high component strength, the forming is carried out at a temperature below room temperature, at -65 to 0°C, which enhances the TRIP/TWIP effect.

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Citation (search report)
See references of WO 2014180456A1

Cited by
WO2018083028A1; WO2018083029A1

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DOCDB simple family (publication)
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