

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 B1 20221026 (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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Cited by  
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DOCDB simple family (publication)  
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