

Title (en)
HOT-PRESSING STEEL PLATE, PRESS-MOLDED ARTICLE, AND METHOD FOR MANUFACTURING PRESS-MOLDED ARTICLE

Title (de)
STAHLPLATTE ZUR HEISSPRESSUNG, PRESSGEFORMTER ARTIKEL UND VERFAHREN ZUR HERSTELLUNG DES PRESSGEFORMTEN ARTIKELS

Title (fr)
PLAQUE D'ACIER PRESSÉE À CHAUD, ARTICLE MOULÉ À LA PRESSE, ET PROCÉDÉ DE FABRICATION D'ARTICLE MOULÉ À LA PRESSE

Publication
EP 3045553 A1 20160720 (EN)

Application
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Priority
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Abstract (en)
Provided is a hot-pressing steel plate useful for obtaining a press-molded article having excellent anti-softening characteristics in heat-affected zones (HAZ) while attaining a press-molded article that can achieve a high level of balance between high strength and stretchability if uniform characteristics within the molded article are required, and a high level of balance between high strength and stretchability in respective regions if regions corresponding to shock-resistant portions and energy-absorbing portions are required within one molded article; molding and processing prior to hot-pressing being facilitated by the hot-pressing steel plate having a prescribed chemical composition, having the equivalent circular diameter of Ti-containing deposits included in the steel plate be 30 nm or less with the average equivalent circular diameter of the Ti-containing deposits being 6 nm or less, having the deposited Ti amount and the total Ti amount within the steel satisfy a prescribed relation, and having a metal structure with a proportion of ferrite of 30% by area or greater.

IPC 8 full level
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