Title (en)
METHOD FOR MAKING AN ABRASION RESISTANT STEEL PLATE AND PLATE OBTAINED

Title (de)
VERFAHREN ZUM HERSTELLEN EINES ABRIEBFESTEN STAHLBLECHS UND SO HERGESTELLTES STAHLBLECH

Title (fr)
PROCEDE POUR FABRIQUER UNE TOLE EN ACIER RESISTANT A L'ABRASION ET TOLE OBTENUE

Publication
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Application
EP 03786006 A 20031113

Priority
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Abstract (en)
[origin: FR2847272A1] The fabrication of a steel component or sheet resistant to abrasion consists of subjecting the sheet to a heat treatment in the hot forming operation or after austenitization by reheating in a furnace, for realizing the hardening, one: (a) cools at a medium cooling rate of greater than 0.5 degrees C/s between a temperature greater than Ac3 and a temperature between T and T-50; (b) then cools at a core medium cooling rate Vr less than 1150 x ep power minus 1.7 and greater than 0.1 degrees C/s between the temperature T and 100 degrees C, ep being the thickness of the sheet in mm; (c) cools to ambient temperature and possibly effects a planishing operation. The temperature T is defined as being T = 800 - 270 x C asterisk - 90 x Mn - 37 x Ni - 70 x Cr - 83 x (Mo + W/2).

IPC 1-7
C21D 1/19; C22C 38/14

IPC 8 full level
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