

Title (en)

MARTENSITIC STAINLESS STEEL SHEET AND MARTENSITIC STAINLESS STEEL MEMBER

Title (de)

PLATTE AUS MARTENSITISCHEM EDELSTAHL UND ELEMENT AUS MARTENSITISCHEM EDELSTAHL

Title (fr)

TÔLE D'ACIER INOXYDABLE MARTENSITIQUE ET ÉLÉMENT EN ACIER INOXYDABLE MARTENSITIQUE

Publication

EP 4095279 A1 20221130 (EN)

Application

EP 21744342 A 20210115

Priority

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- JP 2021001195 W 20210115

Abstract (en)

A martensitic stainless steel sheet contains, in mass%: C: 0.100 to 0.170%; Si: 0.30 to 0.60%; Mn: 0.10 to 0.60%; Cr: 11.0 to 15.0%; Ni: 0.05 to 0.60%; Cu: 0.006 to 0.50%; V: 0.010 to 0.10%; Al: 0.05% or less; and N: 0.040% or more and less than 0.060%, where C+1/2N is 0.130 to 0.190% and γ_p represented by a formula (1) is 120 or more. When the martensitic stainless steel sheet is hardened and tempered, an area ratio in a sheet-thickness cross section of a δ ferrite (δ_{Fe}) present in a sheet-thickness central part of the steel sheet is less than 0.1%.

IPC 8 full level

C22C 38/00 (2006.01); **C21D 6/00** (2006.01); **C21D 9/00** (2006.01); **C22C 38/46** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP KR)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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