

Title (en)

INTERMEDIATE MATERIAL FOR STAINLESS STEEL FOR KNIVES

Title (de)

ZWISCHENPRODUKT FÜR ROSTFREIEN STAHL FÜR MESSER

Title (fr)

MATIÈRE INTERMÉDIAIRE POUR ACIER INOXYDABLE POUR DES COUTEAUX

Publication

EP 2889393 A4 20160427 (EN)

Application

EP 14773977 A 20140318

Priority

- JP 2013061445 A 20130325
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- JP 2014057251 W 20140318

Abstract (en)

[origin: EP2889393A1] There is provided an intermediate material for stainless steel for edged tools having an excellent carbide distribution, enabling hardness to be increased by heat treatment for a short time during hardening. The intermediate material for stainless steel for edged tools substantially includes an FCC phase, and has a composition of, in % by mass, 0.46 to 0.72% of C, 0.15 to 0.55% of Si, 0.45 to 1.00% of Mn, 12.5 to 13.9% of Cr, 0 to 2.0% of Mo+W/2, and a remainder of Fe and impurities. Furthermore, a KAM value in a position at 1/4 in depth of a plane thickness from a surface of a rolled plane is 0.5° or more.

IPC 8 full level

C22C 38/00 (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/22** (2006.01)

CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2014156806A1

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