

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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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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