

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 B1 20171213 (EN)**

Application  
**EP 14773977 A 20140318**

Priority

- JP 2013061445 A 20130325
- JP 2013061446 A 20130325
- 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 6/00** (2006.01); **C21D 8/02** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/22** (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP)  
**C21D 6/002** (2013.01); **C21D 8/0226** (2013.01); **C22C 38/00** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/22** (2013.01); **C21D 9/46** (2013.01); **C21D 2211/004** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2889393 A1 20150701**; **EP 2889393 A4 20160427**; **EP 2889393 B1 20171213**; CN 104838031 A 20150812; CN 104838031 B 20170510; JP 5645151 B1 20141224; JP WO2014156806 A1 20170216; WO 2014156806 A1 20141002

DOCDB simple family (application)  
**EP 14773977 A 20140318**; CN 201480003326 A 20140318; JP 2014057251 W 20140318; JP 2014525654 A 20140318