

Title (en)  
DUPLEX STAINLESS STEEL

Title (de)  
DUPLEXEDELSTAHL

Title (fr)  
ACIER INOXYDABLE DUPLEX

Publication  
**EP 1812614 A4 20091118 (EN)**

Application  
**EP 05799601 A 20051104**

Priority  
• SE 2005001661 W 20051104  
• SE 0402698 A 20041104

Abstract (en)  
[origin: WO2006049572A1] A duplex stainless steel alloy which contains in weight %: Cr 25- 35%, Ni 4-10%, Mo 1 -6%, N 0.3-0.6%, Mn greater than 0-3%, Si max 1.0%, C max 0.06%, Cu and/or W and/or Co 0.1-10%, W 0.1 -5%, balance Fe and normally occurring impurities wherein the ferrite content is 30-70%. The alloy has a yield point in tension being min 760 MPa.

IPC 8 full level  
**C22C 38/44** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/42** (2006.01); **E21B 17/00** (2006.01)

IPC 8 main group level  
**C22C** (2006.01)

CPC (source: EP KR SE US)  
**B23K 35/3053** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP SE US); **C22C 38/44** (2013.01 - EP KR SE US); **C22C 38/52** (2013.01 - SE); **C21D 2211/001** (2013.01 - EP US); **C21D 2211/005** (2013.01 - EP US)

Citation (search report)  
• [X] WO 0164969 A1 20010907 - SANDVIK AB [SE]  
• [A] WO 0100898 A1 20010104 - SANDVIK AB [SE], et al  
• [A] WO 03020994 A1 20030313 - SANDVIK AB [SE]  
• [A] WO 03020995 A1 20030313 - SANDVIK AB [SE]  
• [A] WO 03044239 A1 20030530 - SANDVIK AB [SE], et al  
• See also references of WO 2006049572A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006049572 A1 20060511**; AU 2005301376 A1 20060511; AU 2005301376 B2 20100422; CA 2586452 A1 20060511; CN 101057002 A 20071017; EP 1812614 A1 20070801; EP 1812614 A4 20091118; JP 2008519165 A 20080605; KR 20070073870 A 20070710; NO 20072275 L 20070613; NO 341532 B1 20171204; SE 0402698 D0 20041104; SE 0402698 L 20060505; SE 528782 C2 20070213; US 2008138232 A1 20080612

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**SE 2005001661 W 20051104**; AU 2005301376 A 20051104; CA 2586452 A 20051104; CN 200580038074 A 20051104; EP 05799601 A 20051104; JP 2007540286 A 20051104; KR 20077010126 A 20070503; NO 20072275 A 20070503; SE 0402698 A 20041104; US 66690305 A 20051104