

Title (en)  
DUPLEX STAINLESS STEEL ALLOY AND USE OF THIS ALLOY

Title (de)  
DUPLXEDELSTAHLLEGIERUNG UND VERWENDUNG DAVON

Title (fr)  
ALLIAGE BINAIRE D'ACIER INOXYDABLE ET SON UTILISATION

Publication  
**EP 2082073 A4 20110629 (EN)**

Application  
**EP 07835279 A 20071002**

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• SE 0602287 A 20061030

Abstract (en)  
[origin: WO2008054300A1] The present invention relates to a duplex stainless steel alloy containing in weight-%: C max 0.03%, Si < 0.30%, Mn 0-3.0%, P max 0.030%, S max 0.050%, Cr 25-29%, Ni 5-9%, Mo 4.5-8%, W 0-3%, Cu 0-2%, Co 0-3%, Ti 0-2%, Al 0-0.05%, B 0-0.01 %, Ca 0-0.01 %, and N 0.35-0.60%, balance Fe and normal occurring impurities, wherein the ferrite content is 30-70 volume- %, and wherein each weight-% of Mo above may optionally be replaced by two (2) weight-% W.

IPC 8 full level  
**C22C 38/44** (2006.01)

CPC (source: EP KR SE US)  
**C22C 38/44** (2013.01 - EP KR SE US)

Citation (search report)  
• [X] WO 2004079028 A1 20040916 - SANDVIK AB [SE], et al  
• [X] WO 03020995 A1 20030313 - SANDVIK AB [SE]  
• [A] WO 03020994 A1 20030313 - SANDVIK AB [SE]  
• [A] WO 03080886 A1 20031002 - PARK YONG-SOO [KR], et al  
• [A] WO 02088411 A1 20021107 - RES INST IND SCIENCE & TECH [KR], et al  
• See references of WO 2008054300A1

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

DOCDB simple family (publication)  
**WO 2008054300 A1 20080508; WO 2008054300 A9 20090611**; BR PI0717944 A2 20131203; CA 2667436 A1 20080508; CN 101558180 A 20091014; EA 014812 B1 20110228; EA 200970433 A1 20091030; EP 2082073 A1 20090729; EP 2082073 A4 20110629; JP 2010508439 A 20100318; KR 20090078813 A 20090720; MX 2009004535 A 20090520; SE 0602287 L 20080501; SE 530711 C2 20080819; UA 93587 C2 20110225; US 2010316522 A1 20101216

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