

Title (en)  
Steel for chemistry - Devices - Components

Title (de)  
Stahl für Chemie-Anlagen-Komponenten

Title (fr)  
Acier pour la chimie - Dispositifs - Composants

Publication  
**EP 1529853 A3 20070905 (DE)**

Application  
**EP 04450192 A 20041013**

Priority  
AT 17832003 A 20031107

Abstract (en)  
[origin: EP1529853A2] Main alloying constituents (wt. %) are carbon (0.22-0.29), chromium (1.1-1.5), molybdenum (0.3-0.6), nickel (3.3-3.7) and optionally vanadium (0.05-0.15). The remainder is iron. Other minority substances which may be present include sulfide and oxide forming elements and impurities.

IPC 8 full level  
**C22C 38/44** (2006.01); **C22C 38/46** (2006.01)

CPC (source: EP US)  
**C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US)

Citation (search report)

- [X] EP 0580062 A1 19940126 - THYSSEN STAHL AG [DE]
- [A] JP S59129724 A 19840726 - NIPPON STEEL CORP
- [A] US 5225156 A 19930706 - OTOTANI TOHEI [JP]
- [A] EP 1127951 A1 20010829 - NIPPON STEEL CORP [JP]
- [A] P.A. BRALSFORD, E. HYDES, G.A. HONEYMAN: "Residual contents in purchased scrap for use in basic electric arc technology", CLEAN STEEL: SUPERCLEAN STEEL, CONFERENCE PROCEEDINGS, 1996, London, pages 53 - 58, XP002427800
- [A] R. VISWANATHAN: "Application of clean steel/superclean steel technology in the electric power industry - overview of EPRI research and products", CLEAN STEEL: SUPERCLEAN STEEL, CONFERENCE PROCEEDINGS, 1996, London, pages 1 - 31, XP002427801
- [A] L.E.K. HOLAPPA, A.S. HELLE: "Inclusion control in high performance steels", JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, no. 53, 1995, pages 177 - 186, XP002427802

Cited by  
EP3121199A1

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

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**EP 1529853 A2 20050511; EP 1529853 A3 20070905; EP 1529853 B1 20120222**; AT 414341 B 20101215; AT A17832003 A 20040715; AT E546560 T1 20120315; CA 2486902 A1 20050507; CA 2486902 C 20130709; ES 2382633 T3 20120612; NO 20044796 L 20050509; US 2005169790 A1 20050804; US 7662246 B2 20100216

DOCDB simple family (application)  
**EP 04450192 A 20041013**; AT 04450192 T 20041013; AT 17832003 A 20031107; CA 2486902 A 20041104; ES 04450192 T 20041013; NO 20044796 A 20041104; US 98152604 A 20041105