

Title (en)
Austeno-ferritic stainless steel.

Title (de)
Austenitisch-ferritischer rostfreier Stahl.

Title (fr)
Acier inoxydable austéno-ferritique.

Publication
EP 0337846 A1 19891018 (FR)

Application
EP 89400888 A 19890330

Priority
FR 8805045 A 19880415

Abstract (en)
Austeno-ferritic stainless steel alloy having good corrosion resistance and a machinability index comprising a low content of molybdenum and a high content of copper dissolved by heat treatment of the alloy above 900 DEG C, the composition being the following: C < 0.06 % by weight Si < 1.2 Mn < 3 21 < Cr < 25 3 < Ni < 6 0.06 < N < 0.3 Mo < 1 1 < Cu < 3.5 the remainder being iron. The composition is balanced to obtain between 30 and 70% of ferrite to austenite.

IPC 1-7
C22C 38/42

IPC 8 full level
C22C 38/42 (2006.01)

CPC (source: EP)
C22C 38/42 (2013.01)

Citation (search report)
• [AD] EP 0156778 A2 19851002 - SANTRADE LTD [CH]
• [A] GB 1158614 A 19690716 - LANGLEY ALLOYS LTD
• [A] GB 1456634 A 19761124 - LANGLEY ALLOYS LTD
• [A] US 4612069 A 19860916 - RAINGER CHARLES W [US], et al
• [A] EP 0151487 A2 19850814 - KUBOTA LTD [JP]

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EP1061151A1; US5672215A; EP0750053A4; EP2199421A4; EP1715073A4; US6344094B1; WO2009048137A1; US8540933B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 89400888 A 19890330; AT 89400888 T 19890330; CA 596675 A 19890414; DE 68906708 T 19890330; FI 891783 A 19890414; FR 8805045 A 19880415