

Title (en)
CORROSION RESISTANT STAINLESS STEEL ALLOYS HAVING INTERMEDIATE STRENGTH AND GOOD MACHINABILITY.

Title (de)
KORROSIONSBESTÄNDIGE ROSTFREIE STAHLLEGIERUNGEN MITTLERER FESTIGKEIT UND GUTER BEARBEITUNGSFÄHIGKEIT.

Title (fr)
ALLIAGES D'ACIER INOXYDABLE RESISTANTS A LA CORROSION, AYANT UNE RESISTANCE MOYENNE ET UNE BONNE USINABILITE.

Publication
EP 0256121 A4 19890516 (EN)

Application
EP 87901892 A 19870209

Priority
US 82796986 A 19860210

Abstract (en)
[origin: WO8704731A1] A stainless steel having well balanced physical properties, including good corrosion resistance, intermediate strength and good machinability and further being readily processed and prepared at low cost. To achieve these properties the microstructure is primarily martensite and ferrite with a limited amount of austenite. Elemental compositional ranges are controlled along with the microstructure resulting in defining the approximate compositional/microstructural boundaries in terms of a region in a Schaeffler type Diagram.

IPC 1-7
C22C 38/40; C22C 38/60

IPC 8 full level
C22C 38/40 (2006.01)

CPC (source: EP)
C22C 38/40 (2013.01)

Citation (search report)

- [X] US 2384565 A 19450911 - SCHAUFUS HENRY S
- [X] US 2384567 A 19450911 - SCHAUFUS HENRY S
- [A] US 2897078 A 19590728 - SEIJI NISHIKIORI
- [A] US 1956645 A 19340501 - LANGENBERG FREDERICK C
- See references of WO 8704731A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
WO 8704731 A1 19870813; EP 0256121 A1 19880224; EP 0256121 A4 19890516

DOCDB simple family (application)
US 8700328 W 19870209; EP 87901892 A 19870209