

Title (en)  
Iron-nickel-chromium-molybdenum alloy.

Title (de)  
Eisen-Nickel-Chrom-Molybdänlegierung.

Title (fr)  
Alliage fer-nickel-chrome-molybdène.

Publication  
**EP 0184038 A1 19860611 (EN)**

Application  
**EP 85114419 A 19851113**

Priority  
US 67076784 A 19841113

Abstract (en)  
A highly carburization resistant alloy characterized by good structural stability at elevated temperatures, containing about 24% to 35% nickel, about 19 to 25% chromium, about 1.5 to 6% molybdenum, carbon in an amount not exceeding about 0.12%, up to 1.5 or 2% manganese, up to 1% aluminium, up to 1% titanium, up to 1% silicon and up to about 0.3% nitrogen, the balance, apart from residual amounts of deoxidizing and cleaning elements, and impurities, being iron.

IPC 1-7  
**C22C 38/44**; **C22C 30/00**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 30/00** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP)  
**C22C 30/00** (2013.01)

Citation (search report)  
• [X] GB 638007 A 19500531 - WESTINGHOUSE ELECTRIC INT CO  
• [X] GB 741558 A 19551207 - DEUTSCHE EDELSTAHLWERKE AG  
• [X] GB 531466 A 19410106 - HARRY ETCHHELLS  
• [X] US 3175902 A 19650330 - FERREE JR JOSEPH A  
• [X] GB 2117792 A 19831019 - CABOT CORP  
• [X] GB 993613 A 19650602 - SANDVIKENS JERNVERKS AB  
• [A] GB 1508205 A 19780419 - WESTINGHOUSE ELECTRIC CORP

Cited by  
EP0626460A1; FR2705689A1

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**EP 0184038 A1 19860611**; CA 1263041 A 19891121; JP S61153262 A 19860711

DOCDB simple family (application)  
**EP 85114419 A 19851113**; CA 493553 A 19851022; JP 25212685 A 19851112