

Title (en)

WELDABLE CAST NICKEL BASE SUPERALLOY

Publication

**EP 0225270 A3 19890118 (EN)**

Application

**EP 86630172 A 19861120**

Priority

US 80198285 A 19851126

Abstract (en)

[origin: EP0225270A2] The weldability of Inconel 718 material is enhanced by careful control of silicon, columbium and carbon levels. Minimization of the sulfur, phosphorous and boron levels is also a part of the invention it serves to further minimize the microcracking in the heat affected zone which would otherwise be observed.

IPC 1-7

**C22C 19/05**

IPC 8 full level

**C22C 19/05** (2006.01)

CPC (source: EP KR)

**C22C 19/05** (2013.01 - KR); **C22C 19/055** (2013.01 - EP)

Citation (search report)

- [AD] US 3046108 A 19620724 - EISELSTEIN HERBERT L
- [A] GB 2023652 A 19800103 - WESTINGHOUSE ELECTRIC CORP
- [A] CHEMICAL ABSTRACTS, vol. 74, no. 4, 25th January 1971, page 155, no. 15412n, Columbus, Ohio, US; M. OKADA: "Effect of alloy components on crack formation during the welding of a nickel-based heat-resistant alloy", & AVTOMAT. SVARKA 1970, 23(6), 7-13

Designated contracting state (EPC)

BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0225270 A2 19870610; EP 0225270 A3 19890118; EP 0225270 B1 19911030**; BR 8605725 A 19870818; DE 3682258 D1 19911205; IL 80535 A0 19870227; IL 80535 A 19890815; JP S62130252 A 19870612; KR 870005111 A 19870604; KR 920000035 B1 19920106; NO 864420 D0 19861106

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**EP 86630172 A 19861120**; BR 8605725 A 19861120; DE 3682258 T 19861120; IL 8053586 A 19861107; JP 28161886 A 19861126; KR 860009775 A 19861119; NO 864420 A 19861106