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EUROPEAN PATENT APPLICATION

Application number: 85103129.4

Int. Cl.⁴: **C 22 C 38/42**
C 22 C 38/44

Date of filing: 18.03.85

Priority: 16.03.84 US 590393

Date of publication of application:
18.09.85 Bulletin 85/38

Date of deferred publication of search report: 08.04.87

Designated Contracting States:
BE CH DE FR GB IT LI NL SE

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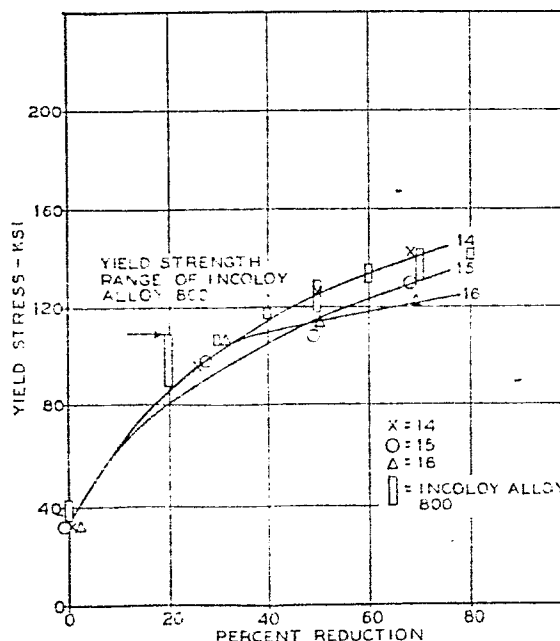
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54 High-strength alloy for industrial vessels.

57 An austenitic nickel-iron-chromium alloy exhibiting high-strength, good corrosion resistance and having a low work hardening rate. The economic alloy is particularly useful for tubes and industrial vessels and, more particularly, heat exchangers and chemical and petrochemical equipment. The alloy includes e.g. 24-32% nickel, about 12-19% chromium, about 1-3.5% molybdenum, about 2-5.5% copper, up to about 2.5% titanium, up to about 1.5% manganese, up to about 0.1% cerium, and the balance mostly iron. Depending on the quantity of titanium, both age hardenable and non-age hardenable versions may be produced.





EP 85 10 3129

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	DE-A-2 528 610 (WESTINGHOUSE)		C 22 C 38/42 C 22 C 38/44
A	FR-A-2 330 776 (WESTINGHOUSE)		
A	GB-A- 708 820 (THE CARPENTER STEEL)		
A	GB-A- 812 582 (UNIVERSAL-CYCLOPS)		
A	METAL PROGRESS, vol. 122, no. 1, June 1982, pages 66,67, Ohio, US: "Superalloys, special-duty materials"		TECHNICAL FIELDS SEARCHED (Int. Cl. 4) C 22 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-01-1987	Examiner OBERWALLENEY R.P.L.T
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			