

Title (en)  
HIGHLY CORROSION-RESISTANT AMORPHOUS NICKEL-BASED ALLOY.

Title (de)  
HOCHKORROSIONSBESTÄNDIGE AMORPHE LEGIERUNG.

Title (fr)  
ALLIAGE AMORPHE TRES RESISTANT A LA CORROSION.

Publication  
**EP 0314805 B1 19950301 (EN)**

Application  
**EP 88903960 A 19880507**

Priority

- JP 8800449 W 19880507
- JP 13436887 A 19870529
- JP 13436787 A 19870529
- JP 12928687 A 19870526
- JP 11393987 A 19870511
- JP 11146787 A 19870507
- JP 11146687 A 19870507
- JP 11146587 A 19870507

Abstract (en)  
[origin: WO8808885A1] A highly corrosion-resistant amorphous alloy containing 10 to 40 atom % of Ta and also Mo, Cr, W, P, B, Si, etc. is disclosed. This alloy can be produced by super-quenching and solidifying molten metal, and shows a good corrosion resistance in a high-temperature, conc. phosphoric acid, thus being suited to be used as the structural material of a plant where phosphoric acid is used and as the separator for fuel cells.

IPC 1-7  
**C22C 45/04**; **C22C 45/10**

IPC 8 full level  
**C22C 19/05** (2006.01); **C22C 27/02** (2006.01); **C22C 45/04** (2006.01); **C22C 45/10** (2006.01)

CPC (source: EP KR)  
**C22C 19/05** (2013.01 - KR); **C22C 27/02** (2013.01 - KR); **C22C 45/04** (2013.01 - EP); **C22C 45/10** (2013.01 - EP)

Citation (examination)

- US 4133681 A 19790109 - RAY RANJAN
- US 4410490 A 19831018 - RAY RANJAN [US], et al

Cited by  
EP0537710A1; US6303015B1; WO0131085A3

Designated contracting state (EPC)  
CH DE FR GB LI SE

DOCDB simple family (publication)  
**WO 8808885 A1 19881117**; DE 3853190 D1 19950406; DE 3853190 T2 19950824; EP 0314805 A1 19890510; EP 0314805 A4 19930317; EP 0314805 B1 19950301; FI 890031 A0 19890104; FI 890031 A 19890104; FI 98074 B 19961231; FI 98074 C 19970410; KR 890701786 A 19891221; KR 940004900 B1 19940604

DOCDB simple family (application)  
**JP 8800449 W 19880507**; DE 3853190 T 19880507; EP 88903960 A 19880507; FI 890031 A 19890104; KR 890700011 A 19890106