Title (en)

PYROMETRIC THERMOELECTRIC SENSOR

Publication

EP 0435963 A4 19910828 (EN)

Application

EP 90903305 A 19900219

Priority

- AU PJ279489 A 19890217
- AU 5106190 A 19900219

Abstract (en)

[origin: WO9009682A1] Mineral insulated metal sheath thermocouples (4.2) suitable for use at high temperatures in a hostile environment such as molten glass characterised in that the sheath (4.3) is composed of the known alloy NICROBELL or an alloy consisting of 10 to 35 % Cr, 0.05 to 15 % Al, 0.05 to 2 % Ti, 0.05 to 2 % Y2?O5?, with the balance being either Fe, Ni or Co, or an alloy consisting of 20 1.0 % Cr, 4.5 0.5 % Al, 0.5 0.1 % Y2?O5? or Tho2?, with the balance being Fe.

IPC 1-7

H01L 35/02; H01L 35/20; C22C 38/28; C22C 38/18; C22C 19/05; C22C 19/07

IPC 8 full level

H10N 10/17 (2023.01); **H10N 10/854** (2023.01)

CPC (source: EP)

G01K 7/02 (2013.01); **H10N 10/17** (2023.02); **H10N 10/854** (2023.02)

Citation (search report)

- [A] US 4101714 A 19780718 - RAIRDEN III JOHN R
- [A] WO 8802106 A1 19880324 - COMMW SCIENT IND RES ORG [AU]
- [A] WORLD PATENT INDEX, accession no. 75-29902W, week 18, Derwent Publications Ltd, London, GB; & JP-A-50 008 974 (TOKYO SHIBAURA) 09-04-1975
- [A] N.T.I.S. TECH. NOTES, no. 4H, April 1985, page 411, Springfield, VA, US; P.F. McCAUL: "Oxidation protection for thermocouples"
- See also references of WO 9009682A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9009682 A1 19900823; AU 5106190 A 19900905; AU 628936 B2 19920924; EP 0435963 A1 19910710; EP 0435963 A4 19910828; GB 2246019 A 19920115; GB 2246019 B 19930331; GB 9115265 D0 19910828

DOCDB simple family (application)

AU 9000065 W 19900219; AU 5106190 A 19900219; EP 90903305 A 19900219; GB 9115265 A 19910716