

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 % Y₂O₃, with the balance being either Fe, Ni or Co, or an alloy consisting of 20 to 35 % Cr, 4.5 to 15 % Al, 0.5 to 1 % Y₂O₃ 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)
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AU 9000065 W 19900219; AU 5106190 A 19900219; EP 90903305 A 19900219; GB 9115265 A 19910716