

Title (en)

IMPROVEMENTS IN OR RELATING TO REFRactory PRODUCTS

Title (de)

VERBESSERUNGEN AN ODER IN BEZUG AUF FEUERFESTPRODUKTE

Title (fr)

AMELIORATIONS CONCERNANT DES PRODUITS REFRACTAIRES

Publication

**EP 1133373 A1 20010919 (EN)**

Application

**EP 99963335 A 19991126**

Priority

- EP 9909194 W 19991126
- GB 9825986 A 19981127

Abstract (en)

[origin: WO0032337A1] A refractory device for use in the teeming of molten metal comprising a ceramic body having a ceramic pouring tube element (10, 20) and a ceramic support element (12, 22), said support element being adapted to be received within a metallic can (11, 21), and there is provided between said elements a pyroplastic shock-absorbing interface zone (13, 24) wherein there is provided a material the thermal properties of which are such that it is substantially solid at ambient temperatures but become deformable at the elevated temperatures experienced during metal teeming.

IPC 1-7

**B22D 41/50; B22D 41/28**

IPC 8 full level

**B22D 41/28** (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP)

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Citation (search report)

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Cited by

WO2014042611A1; US8127972B2; EP1590114B2

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**EP 9909194 W 19991126**; AU 1967800 A 19991126; CA 2352299 A 19991126; DE 69902054 T 19991126; EP 99963335 A 19991126; ES 99963335 T 19991126; GB 9825986 A 19981127; GB 9927467 A 19991122