

Title (en)  
METAL CASTING AND LINED LADLES THEREFOR

Publication  
**EP 0043670 B1 19840111 (EN)**

Application  
**EP 81302810 A 19810623**

Priority  
GB 8021684 A 19800702

Abstract (en)  
[origin: EP0043670A1] In the art of casting metal from a furnace to a preheated ladle and thence into a casting mould, an inner protective discardable lining (10) is located within the ladle (1) which reduces costs by dispensing with the need for preheating and improves casting quality by reducing the level of inclusions trapped in the cast metal.

IPC 1-7  
**B22D 41/02**; **B22D 41/10**

IPC 8 full level  
**B22D 41/02** (2006.01)

CPC (source: EP)  
**B22D 41/02** (2013.01)

Cited by  
EP0160384B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0043670 A1 19820113**; **EP 0043670 B1 19840111**; AT E5800 T1 19840115; AU 542404 B2 19850221; AU 7243881 A 19820107; BR 8104202 A 19820323; CA 1195472 A 19851022; DE 3161885 D1 19840216; ES 268137 U 19830501; ES 268137 Y 19831116; JP S5779067 A 19820518; MX 157795 A 19881215; ZA 814207 B 19820728

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**EP 81302810 A 19810623**; AT 81302810 T 19810623; AU 7243881 A 19810701; BR 8104202 A 19810701; CA 380916 A 19810630; DE 3161885 T 19810623; ES 268137 U 19810702; JP 10311681 A 19810630; MX 18811481 A 19810701; ZA 814207 A 19810622