

Title (en)
STOPPER FOR CASTING FURNACES AND OTHER METALLURGICAL VESSELS

Publication
EP 0109348 B1 19870114 (DE)

Application
EP 83710075 A 19831026

Priority
SE 8206297 A 19821105

Abstract (en)
[origin: EP0109348A1] 1. Stopper means for casting furnaces (5) and other metallurgical vessels with at least one stopper rod (2) and one corresponding tapping nozzle (4) for the tapping operation and with an element (3) which substantially centrally protrudes from the stopper rod, is adapted to the tapping opening of the tapping nozzle, and can be moved into the tapping nozzle, characterized in that said element (3) is designed as a plunger being movable up and down through the tapping opening independently of the movement of the stopper rod (2).

IPC 1-7
B22D 41/10; **B22D 43/00**

IPC 8 full level
B22D 11/10 (2006.01); **B22D 41/20** (2006.01); **B22D 43/00** (2006.01)

CPC (source: EP)
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Cited by
EP1577036A1; CN105239786A; DE3622327A1; FR2586598A1; DE102011088619A1; WO2013087539A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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EP 83710075 A 19831026; DE 3369083 T 19831026; ES 526999 A 19831103; JP 1043883 A 19830125; SE 8206297 A 19821105; ZA 838197 A 19831103