

Title (en)

DEVICE AND FRAME FOR PREHEATING A METAL CASTING CHANNEL

Title (de)

VORRICHTUNG UND GESTELL ZUM VORWÄRMEN EINES GIESSKANALS

Title (fr)

MOYEN ET BATI POUR LE PRECHAUFFAGE D'UN CONDUIT DE COULEE DE METAL

Publication

EP 0745314 B1 19980610 (FR)

Application

EP 95907725 A 19950201

Priority

- FR 9500112 W 19950201
- FR 9401795 A 19940214

Abstract (en)

[origin: US5799718A] PCT No. PCT/FR95/00112 Sec. 371 Date Aug. 7, 1996 Sec. 102(e) Date Aug. 7, 1996 PCT Filed Feb. 1, 1995 PCT Pub. No. WO95/22240 PCT Pub. Date Aug. 17, 1995A device for preheating a metal casting channel (3). The device is positioned in a rapidly removable manner by a frame (1) consisting of a stationary portion (12) and a movable portion (26). The channel (3) comprises a refractory part (5) surrounded by an insulating coating (7), an inductor (8) and refractory concrete (10) within a shell (11). The preheating device includes the inductor (8) and an element (2) made of a refractory and electrically conductive material. Said device is useful for evenly and uniformly preheating a metal casting channel (3).

IPC 1-7

H05B 6/22; **B22D 41/60**; **H05B 6/02**

IPC 8 full level

H05B 6/10 (2006.01); **B22D 11/10** (2006.01); **B22D 18/04** (2006.01); **B22D 35/06** (2006.01); **B22D 41/60** (2006.01); **H05B 6/02** (2006.01); **H05B 6/22** (2006.01)

CPC (source: EP KR US)

B22D 35/06 (2013.01 - EP US); **B22D 41/60** (2013.01 - EP US); **H05B 6/22** (2013.01 - EP KR US)

Designated contracting state (EPC)

BE DE DK ES FR GB IT NL SE

DOCDB simple family (publication)

US 5799718 A 19980901; BR 9506775 A 19971014; CA 2182945 A1 19950817; DE 69502937 D1 19980716; DE 69502937 T2 19981022; DK 0745314 T3 19990322; EP 0745314 A1 19961204; EP 0745314 B1 19980610; ES 2117403 T3 19980801; FR 2720591 A1 19951201; FR 2720591 B1 19960809; JP 2837278 B2 19981214; JP H09501872 A 19970225; KR 970701487 A 19970317; PL 315664 A1 19961125; RU 2113938 C1 19980627; WO 9522240 A1 19950817; ZA 951174 B 19960209

DOCDB simple family (application)

US 69332696 A 19960807; BR 9506775 A 19950201; CA 2182945 A 19950201; DE 69502937 T 19950201; DK 95907725 T 19950201; EP 95907725 A 19950201; ES 95907725 T 19950201; FR 9401795 A 19940214; FR 9500112 W 19950201; JP 52100195 A 19950201; KR 19960704445 A 19960814; PL 31566495 A 19950201; RU 96118253 A 19950201; ZA 951174 A 19950214