

Title (en)
CONTINUOUS CASTING APPARATUS AND METHOD

Title (de)
STRANGGIESSVORRICHTUNG UND -VERFAHREN

Title (fr)
APPAREIL ET PROCÉDÉ DE COULÉE CONTINUE

Publication
EP 3623078 A1 20200318 (EN)

Application
EP 19197378 A 20190913

Priority
US 201816131567 A 20180914

Abstract (en)
A conveyor furnace system (60) is provided that includes a housing (62), a conveyor (66), a vacuum device (64), and at least one heating element (68). The housing (62) may have a first end and a second end. The conveyor (66) may be configured to transit one or more component molds (78) from the first end to the second end. The vacuum (64) device may be configured to selectively produce a below atmospheric pressure within the housing (62). The at least one heating element (68) may be disposed in the housing (62), and has a first end disposed adjacent the first end of the housing (62) and a second end adjacent the second end of the housing (62). The at least one heating element (68) is configured to provide a vertically tapered heating exposure in a direction from the first end of the housing (62) to the second end of the housing (62).

IPC 8 full level
B22D 27/04 (2006.01); **B22D 30/00** (2006.01)

CPC (source: EP US)
B22D 11/143 (2013.01 - US); **B22D 27/045** (2013.01 - EP US); **B22D 30/00** (2013.01 - EP)

Citation (search report)

- [X] US 3677324 A 19720718 - HIGGINBOTHAM GORDON JOHN SPENC, et al
- [XI] EP 1502679 A1 20050202 - ALSTOM TECHNOLOGY LTD [CH]
- [X] FR 2443302 A1 19800704 - CHUMAKOV VASILY

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 19197378 A 20190913; US 201816131567 A 20180914