

Title (en)

MOLD, METHOD AND APPARATUS FOR CASTING ARTICLES.

Title (de)

KOKILLE, VERFAHREN UND VORRICHTUNG ZUM GIESSEN VON GEGENSTÄNDEN.

Title (fr)

LINGOTIERE, PROCEDE ET APPAREIL DE MOULAGE D'ARTICLES.

Publication

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Application

**EP 86901201 A 19860128**

Priority

US 8600166 W 19860128

Abstract (en)

[origin: WO8704376A1] A mold includes an upper mold section (22) having a primary distribution system (32) which is connected with a furnace (78) and a lower mold section (24) which is withdrawn from the furnace on a chill plate (46). A baffle plate (34) is supported from the primary distribution system. The lower mold section includes a secondary distribution system (38) which is connected in fluid communication with the primary distribution system at separable joints. The secondary distribution system is connected in fluid communication with article molds (40) which are disposed in an annular array. During pouring of molten metal, reaction forces are transmitted to the chill plate from the pour cup (90) through a support post (38) and baffle plate. Once the article molds have been filled with molten metal, the chill plate is lowered. The primary distribution system which is connected to the furnace, remains stationary. As the article molds are withdrawn from the furnace, the baffle blocks the transfer of heat from the furnace through the central portion of the array of article molds.

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Citation (search report)

- [A] US 4108236 A 19780822 - SALKELD RICHARD W
- [A] US 4409451 A 19831011 - TAYLOR KENNETH E [US]
- See references of WO 8704376A1

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