

Title (en)
CONTINUOUS CASTING DEVICE

Publication
EP 0363375 B1 19910904 (DE)

Application
EP 88903813 A 19880427

Priority
DE 3714139 A 19870428

Abstract (en)
[origin: US5027881A] A chill mold in a continuous casting apparatus consists of a cast material, which is shrunk onto the cast-in central chill tube as well as the chill tubes which spirally surround the same. Components of the apparatus are re-usable. This is accomplished by a primary and a secondary chill which are offset in the axial direction in relation to each other. Both chills are cooled by separate coolant circuits to their respective chill bodies. The ratio between the length in the continuous casting direction to the external and, respectively, the internal diameter of the primary chill is less than 70:100.

IPC 1-7
B22D 11/04

IPC 8 full level
B22D 11/04 (2006.01); **B22D 11/045** (2006.01); **B22D 11/047** (2006.01)

CPC (source: EP US)
B22D 11/045 (2013.01 - EP US); **B22D 11/047** (2013.01 - EP US)

Citation (examination)
Soviet Inventions Illustrated, Section CH, week K46, 28 December 1983, Derwent Publications Ltd, London (GB), abstract no. 819305, Class M22 & SU,A,990411 (Don Poly) 23 January 1983

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KR20210015427A

Designated contracting state (EPC)
AT CH DE FR GB LI

DOCDB simple family (publication)
US 5027881 A 19910702; AT E66840 T1 19910915; AU 1706288 A 19881202; AU 640342 B2 19930826; CA 1327111 C 19940222; DE 3714139 A1 19871022; DE 3864686 D1 19911010; EP 0363375 A1 19900418; EP 0363375 B1 19910904; NZ 224397 A 19910129; WO 8808344 A1 19881103

DOCDB simple family (application)
US 62907990 A 19901217; AT 88903813 T 19880427; AU 1706288 A 19880427; CA 615288 A 19890929; DE 3714139 A 19870428; DE 3864686 T 19880427; EP 8800351 W 19880427; EP 88903813 A 19880427; NZ 22439788 A 19880427