

Title (en)

Device for making holes in a casting mould

Title (de)

Vorrichtung für die Herstellung von Öffnungen in einer Giessform

Title (fr)

Dispositif pour faire des trous dans un moule de coulée

Publication

**EP 0630708 B1 19990324 (DE)**

Application

**EP 94106878 A 19940503**

Priority

DE 9309398 U 19930624

Abstract (en)

[origin: DE4325981C1] In casting moulds produced on moulding machines, it is often necessary to introduce into the cycle an apparatus for making an entry opening and an apparatus for making vent holes which have to be made in the topside of the casting mould located in the mould top box. The invention specifies an apparatus by means of which both types of opening can be made successively in adjacent working positions of the conveying device. The apparatus requires only a single positioning device, the two types of tool being mounted at different ends of a tool carrier guided on a crossbeam. <IMAGE>

IPC 1-7

**B22C 9/08**; **B22C 9/02**

IPC 8 full level

**B22C 9/02** (2006.01); **B22C 9/08** (2006.01)

CPC (source: EP)

**B22C 9/02** (2013.01); **B22C 9/082** (2013.01)

Cited by

CN102151805A; CN105108117A; DE102017131280A1; CN111542405A; WO2019120804A1; US11173541B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**DE 9309398 U1 19930826**; DE 4325981 C1 19941222; DE 59407986 D1 19990429; EP 0630708 A2 19941228; EP 0630708 A3 19960710; EP 0630708 B1 19990324

DOCDB simple family (application)

**DE 9309398 U 19930624**; DE 4325981 A 19930731; DE 59407986 T 19940503; EP 94106878 A 19940503