

Title (en)
METAL FILLING ARRANGEMENT FOR CONTINUOUS CASTING EQUIPMENT

Title (de)
METALLFÜLLUNGSANORDNUNG FÜR EINE STRANGGIESSANLAGE

Title (fr)
AGENCEMENT DE REMPLISSAGE DE MÉTAL POUR ÉQUIPEMENT DE COULÉE CONTINUE

Publication
EP 2496373 B1 20180606 (EN)

Application
EP 10828596 A 20101105

Priority
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• NO 2010000403 W 20101105

Abstract (en)
[origin: WO2011056078A1] Metal filling equipment for continuous casting mould/s, in particular mould/s for the semi-continuous direct chill (DC) casting of aluminium sheet ingot or slabs of different dimensions, in particular ingot or slabs for rolling thin aluminium sheet or strips. The equipment includes a closed metal filling box or container (10) provided above the mould/s (2). The box receives metal from a holding furnace (not shown) through a launder or metal transfer channel (11). The metal flow to the box is controlled by means of a valve device (16), whereby the metal filling box is provided with air evacuating means (20) to obtain elevated metal level inside the box during casting. Metal distributor outlets in the form of insulated pipe stubs (18) are provided for each mould, protruding downwardly from the bottom of the metal filling box (10). With the described metal filling box is obtained improved metal distribution and even metal temperature across the mould/s.

IPC 8 full level
B22D 11/10 (2006.01); **B22D 11/103** (2006.01); **B22D 35/04** (2006.01)

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