

Title (en)

Method and device for feeding a powder or granular material into a continuous casting mold.

Title (de)

Verfahren und Vorrichtung zum Fördern von pulverförmigem oder körnigem Material in eine Stranggussform.

Title (fr)

Procédé et dispositif d'alimentation d'un matériau poudreux ou granulé dans une lingotière de coulée continue.

Publication

EP 0473521 B1 19940112 (FR)

Application

EP 91470022 A 19910816

Priority

FR 9010756 A 19900827

Abstract (en)

[origin: EP0473521A1] The device comprises a main hopper 13 provided with balances 14 and equipped with a draining duct 15 on which are mounted a valve 17 and a flow detector 16. The lower end of the duct penetrates into a secondary hopper 18 connected to a pipe 10 for feeding powder to the mould 1. <??>The powder 22 flows from the main hopper 13 into the secondary hopper 18 and is then directed via the pipe 10 into the mould where it spreads over the surface of the cast metal 2. When the level of powder in the secondary hopper reaches the lower end of the duct 15, the flow therein is cancelled and the detector 16 commands the closure of the valve. Its reopening is commanded after a certain period of time or when the powder-presence detector 23 indicates the absence of powder. It is thus possible, by measuring the time between two successive closures or openings of the valves and by weighing the upper hopper, to be continuously informed of the powder consumption. <IMAGE>

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IPC 8 full level

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