

Title (en)

ELECTROMAGNETIC BRAKING DEVICE FOR THE INGOT IN A CONTINUOUS CASTING UNIT

Title (de)

ELEKTROMAGNETISCHE BREMSVORRICHTUNG FÜR DIE KOKILLE EINER STRANGGIESSANLAGE

Title (fr)

DISPOSITIF DE FREINAGE ELECTROMAGNETIQUE DESTINE A LA COUILLE D'UNE INSTALLATION DE COULEE CONTINUE

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Application

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Abstract (en)

[origin: WO03028925A1] The invention relates to an electromagnetic braking device for the steel melt running within the continuous casting ingot in a continuous casting unit. The electromagnetic brake device comprises at least one coil (3) with a ferromagnetic core (5), arranged on the broad side of the ingot and at least one yoke (7) provided on the above. In order to reduce the oscillating masses on the ingot components and to permit the retro-fitting of electromagnetic brakes to conventional continuous casting machines, the electromagnetic brake, comprising yoke (7), coil (3) and ferromagnetic core (5), is embodied such as to pivot inwards or outwards, preferably by means of two unequal length, non-parallel levers in or on the continuous casting ingot, using an actuator (6).

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