

Title (en)

CASTING ROLL FOR CASTING AND/OR SUPPORTING A CAST STRAND, IN PARTICULAR FOR A TWO-ROLL CASTING MACHINE

Title (de)

GIESSROLLE ZUM GIESSEN UND/ODER STÜTZEN EINE GEISSSTRANGS, INSBESONDERE FÜR EINE ZWEI-ROLLEN-GEISSMASCHINE

Title (fr)

ROULEAU DE COULEE SERVANT A COULER ET/OU A SOUTENIR UNE LIGNE DE COULEE, NOTAMMENT POUR UNE MACHINE DE COULEE A DEUX ROULEAUX

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0243902A1] The invention relates to a casting roll for casting and/or supporting a cast strand, in particular for a two-roll casting machine. Said casting roll comprises a water cooling system, in which the cooling water is supplied and discharged in cooling channels (8), formed by cooling bores or grooves that are distributed over the periphery of the roll and a pressure chamber (10), which borders a roll casing (5) and is connected in an adjustable manner to a hydraulic fluid source. The casting roll prevents a superelevation of the profile and the formation of a wedge-shape over a significant section of the length of the casting roll, as the internal diameter of the roll casing (5) increases, starting from sealing elements (15) up to the centre of the roll and the hollow chamber (16) can be impinged by the hydraulic fluid in order to modify the profile.

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