

Title (en)

MOLTEN METAL GUIDE FOR STRIP CASTING SYSTEMS

Title (de)

SCHMELZEFÜHRUNG FÜR BANDGUSSANLAGEN

Title (fr)

ACHEMINEMENT DE MATIÈRE FONDUE POUR INSTALLATIONS DE COULÉE EN BANDE

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Application

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Abstract (en)

[origin: WO2021001495A1] The invention relates to a strip casting system (1) for aluminum and/or aluminum alloys, comprising at least one casting furnace (3) and at least one rotational mold (2, 22, 23) which comprises a casting gap (21), wherein the at least one rotational mold (2, 22, 23) is designed as a roller pair (22, 23), shaper pair, caterpillar track pair, or belt pair, and the strip casting system (1) has at least one active means (4) for transporting molten metal (5) from the casting furnace (3) to the casting gap (21). The strip casting system (1) has a casting region (6) arranged upstream of the casting gap (21), said casting region (6) being delimited by the rotational mold (2, 22, 23) on at least one side, and the casting region (6) is designed such that a molten metal pool (52) is formed in the casting region (6), molten metal (5) flowing or being drawn from said pool into the casting gap (21). The casting furnace (3) is connected to the casting region (6) by a pipe system (41, 43), and the strip casting system (1) comprises means (46) for supplying the molten metal (5) into the casting region (6), said means being capable of supplying the molten metal (5) to the casting region (6) below the surface of the molten metal pool (52) formed in the casting region (6).

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