

Title (en)

METHOD AND DEVICE FOR SEALING A GAP BETWEEN A ROLLER FRONT FACE AND A SIDE SEAL ON A ROLLER-STRIP-CASTING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABDICHTUNG EINES SPALTES ZWISCHEN EINER ROLLENSTIRNSEITE UND EINER SEITENABDICHTUNG AN EINER ROLLEN-BANDGIESSMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF D'ETANCHEIFICATION D'UN INTERSTICE SITUE ENTRE UNE FACE TERMINALE DE CYLINDRE ET UN ELEMENT D'ETANCHEITE LATERAL DANS UNE MACHINE DE COULEE EN BANDE A CYLINDRES

Publication

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Application

EP 02779346 A 20020913

Priority

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Abstract (en)

[origin: WO03024646A1] The reliable sealing of a gap (10), between a roller front face (7) and a side seal (3) on a roller-strip-casting machine is achieved by the generation of an electrical eddy field in the region of the gap (10), such as to produce a local gradient field (13). The eddy currents generated in the metal melt for casting prevent the ingress of the metal into the gap (10) or eject the metal from the gap (10). The risk of escape of liquid metal is essentially eliminated and the formation of ridges on the narrow edge of the metal strip avoided.

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