

Title (en)

TWIN ROLL CASTER WITH TAPERED NOZZLE

Title (de)

ZWEI-WALZEN-GIESSANLAGE MIT ABGESCHRÄGTER GIESSDÜSE

Title (fr)

MACHINE DE COULÉE À DEUX ROULEAUX AVEC BUSE CONIQUE D'ALIMENTATION DE MÉTAL FONDU

Publication

EP 1818120 B1 20110420 (EN)

Application

EP 05795467 A 20051020

Priority

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- JP 2004311962 A 20041027

Abstract (en)

[origin: EP1818120A1] A nozzle end is provided with an extension 11 which has a lower portion immersed in a molten metal pool and extends toward a side weir 2 such that a stagnation area disappears on a free liquid surface of molten metal. The extension 11 is in the form of a quadrangular pyramid lying sidelong and is converged to a point P1 extremely close to the side weir 2. According to this molten metal feed nozzle, a stagnation area on a free liquid surface of molten metal is displaced by the extension 11 contiguous with the nozzle end to suppress generation of an unwanted solidification shell. Thus, no unwanted solidification shell is pinched as foreign matter by solidification' shells generated on outer peripheries of chilled rolls 1 for production of a strip, and break of a strip derived from enlargement of nip between the rolls can be averted.

IPC 8 full level

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