

Title (en)
IMMERSED OUTLET FOR CASTING METAL

Title (de)
TAUCHAUSGUSS ZUM GIESSEN VON METALL

Title (fr)
BUSETTE IMMERGEE POUR COULER DU METAL

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Application
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Abstract (en)
[origin: US5916472A] PCT No. PCT/DE96/00405 Sec. 371 Date Sep. 22, 1997 Sec. 102(e) Date Sep. 22, 1997 PCT Filed Mar. 4, 1996 PCT Pub. No. WO96/29166 PCT Pub. Date Sep. 26, 1996The invention is directed to an immersion nozzle for casting metal, especially steel, in plants for the continuous casting of thin slabs. On order to provide an immersion casting pipe that is easy to manufacture, has a long life, and enables the liquid metal to flow out in a uniform manner, it is suggested, according to the invention, that the pour-in part (11) is a pipe having a straight-surface front mouth (12), and the pour-out part (21) is constructed from plane-surface wall elements (22, 23). For this purpose, the circular cross-sectional area (AR) of the pour-in part (11) is in a relationship to the rectangular free cross-sectional area (AE) of the pour-out part (21) such that $AR/AE \geq 1.7$.

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