

Title (en)
Pouring nozzle for introducing liquid metal in a continuous casting mould for casting metallic products and continuous casting machine equipped with such a pouring nozzle

Title (de)
Giessrohr zum Einleiten eines flüssigen Metalles in einer Stranggiesskokille zum Giessen metallischer Produkte mit diesem ausgerüstete Stranggiessvorrichtung

Title (fr)
Busette pour l'introduction d'un métal liquide dans une lingotière de coulée continue de produits métalliques, et installation de coulée continue de produits métalliques équipée d'une telle busette

Publication
EP 0775543 B1 19990616 (FR)

Application
EP 96402272 A 19961025

Priority
FR 9513903 A 19951123

Abstract (en)
[origin: EP0775543A1] A nozzle (3) is claimed for introducing liquid metal into the mould (10) of a continuous casting machine, of the type that comprises a shaft (4) of which the upper end is designed to be connected by some means of fixing (6,7) to the outlet nozzle (1) of a hot metal ladle and the lower end of which is connected to a terminal part of the nozzle (3) equipped with apertures (19, 20, 20') designed to distribute the liquid metal in the casting space (13) defined by the mould (10). This terminal part of the nozzle (3) incorporates, in its upper zone, at least one aperture (17) designed to allow the reheating of the interior of the terminal part by some means of heating such as a burner (32, 32'). The installation for the continuous casting of metal products using this nozzle (3) is also claimed and is of the type incorporating a bottomless mould (10) with energetically cooled walls (11, 11', 12, 12') defining a casting space (13) and a nozzle (3) of refractory material connected to a vessel containing the liquid metal, the lower end of the nozzle feeding this liquid metal into the casting space (13). This installation can be a classical slab casting machine or a casting machine with rolls for casting thin strip.

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IPC 8 full level
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