

Title (en)

Preheating device for a molten metal casting nozzle

Title (de)

Vorwärmvorrichtung für den Ausguss einer Metallgiessanlage

Title (fr)

Dispositif de préchauffage d'une busette de coulée d'un métal en fusion

Publication

EP 0495764 B1 19981209 (FR)

Application

EP 92870003 A 19920107

Priority

BE 9100033 A 19910116

Abstract (en)

[origin: EP0495764A1] Preheating device for a casting nozzle (2, 3) for a molten metal, comprising means for producing a hot gaseous medium (5) close to the inlet orifice of the casting nozzle (2), and means (6) for circulating the hot gaseous medium (5) in the casting nozzle (2, 3) over at least a part of its length and in the direction of flow of the metal during casting. These circulation means (6) may comprise a suction venturi whose convergent part is connected to the orifice of the casting nozzle (2, 3), in the extension of the latter, and the means for producing the hot gaseous medium (5) comprise at least one burner. The device preferably also comprises a sleeve (8) arranged around the inlet orifice of the casting nozzle (2, 3), in the extension of the latter; this sleeve (8) is advantageously provided with holes (9) intended to allow the hot gaseous medium (5) to pass through. <IMAGE>

IPC 1-7

B22D 41/60

IPC 8 full level

B22D 11/10 (2006.01); **B22D 41/015** (2006.01); **B22D 41/60** (2006.01)

CPC (source: EP)

B22D 41/60 (2013.01)

Cited by

CN106862548A; DE102007016018A1

Designated contracting state (EPC)

AT DE ES FR GB IT LU SE

DOCDB simple family (publication)

EP 0495764 A1 19920722; **EP 0495764 B1 19981209**; AT E174238 T1 19981215; BE 1004612 A6 19921222; DE 69227789 D1 19990121; DE 69227789 T2 19990701; JP H0623519 A 19940201

DOCDB simple family (application)

EP 92870003 A 19920107; AT 92870003 T 19920107; BE 9100033 A 19910116; DE 69227789 T 19920107; JP 2214392 A 19920110