

Title (en)
VESSEL FOR THE TREATMENT OF MOLTEN METAL BATHS

Publication
EP 0070913 B1 19860319 (DE)

Application
EP 81105911 A 19810727

Priority
EP 81105911 A 19810727

Abstract (en)
[origin: US4437652A] The invention relates to a vessel for the continuous treatment of molten metals under reduced pressure, according to the circulation process. In order to increase the through put of the molten metal, the inlet and outlet pipes are located on the longitudinal axis of an elongated vessel-bottom, for example an elliptical vessel-bottom, a cross-section of the inlet and outlet pipes being enlarged. The lower portion of the vessel is bell-shaped. With this geometry of the lower portion of the vessel, the volume of the vessel remains small, despite comparatively large cross-sections of the inlet and outlet pipes, which can be located with an adequate clearance from each other and the walls of the vessel, so that the danger of erosion effects resulting from the circulating molten metal remains small.

IPC 1-7
C21C 7/10; **C22B 9/04**

IPC 8 full level
C21C 7/10 (2006.01); **C22B 9/04** (2006.01)

CPC (source: EP US)
C21C 7/10 (2013.01 - EP US); **C22B 9/04** (2013.01 - EP US)

Cited by
EP0532141A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0070913 A1 19830209; **EP 0070913 B1 19860319**; DE 3174127 D1 19860424; JP S5867833 A 19830422; US 4437652 A 19840320

DOCDB simple family (application)
EP 81105911 A 19810727; DE 3174127 T 19810727; JP 12972682 A 19820727; US 40120782 A 19820723