

Title (en)

Metallurgical vessel, in particular arc furnace, which remains vertical during tapping of the metal melt

Title (de)

Metallurgisches Gefäß, insbesondere Elektrolichtbogenofen, das beim Abstechen der Metallschmelze in senkrechter Gefäßlage steht

Title (fr)

Réceptier métallurgique, en particulier four à arc, qui reste vertical pendant le sourtirage du métal fondu

Publication

**EP 1174671 A3 20020724 (DE)**

Application

**EP 01116091 A 20010703**

Priority

DE 10034049 A 20000713

Abstract (en)

[origin: EP1174671A2] Metallurgical vessel, especially an electric arc furnace comprises: i) a tapping channel branch (8) running vertically downward from a vertical course of one or more tapping channels (6) in the tapping channel pipe wall (7); and (ii) a control stop (10) guided on the tapping channel axis (4a) in a pipe (9) from an upper closing position (11) sealed on the vessel base (1a) into a lower opening position (12). Preferred Features: The control stop and the pipe through which it is guided are made of boron nitride or a ceramic having low wettability. The tapping channels each have a pushing drive (14) and a rotating drive (15).

IPC 1-7

**F27D 3/15**; F27B 3/19; B22D 41/14; C21C 5/46

IPC 8 full level

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CPC (source: EP)

**F27D 3/1509** (2013.01); **F27D 3/1536** (2013.01); **F27D 2003/161** (2013.01)

Citation (search report)

- [X] DE 659151 C 19380427 - SIEMENS AG
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