

Title (en)

Tap pipe for a converter or an electric arc furnace

Title (de)

Abstichrohr an einem Konverter oder Lichtbogenofen

Title (fr)

Tuyau de coulée dans un convertisseur ou un four à arc

Publication

EP 0561181 B1 19961002 (DE)

Application

EP 93102819 A 19930224

Priority

DE 4208520 A 19920317

Abstract (en)

[origin: EP0561181A2] A tap pipe for a converter or an electric arc furnace should achieve tapping times which are the same as far as possible during as many tapplings as possible. For this purpose, the flow cross-sections at the various heights of the tap pipe (3) are, at least in the outflow zone (11) of the tap pipe (3), approximately equal to the cross-sections of that flow profile (So) of the melt which results at a vertical flow of the melt with a bath level of between 30% and 70% of the maximum bath level height (xm). <IMAGE>

IPC 1-7

C21C 5/46; **F27B 3/19**; **F27D 3/15**

IPC 8 full level

C21C 5/46 (2006.01); **F27B 3/19** (2006.01); **F27D 3/15** (2006.01)

CPC (source: EP US)

C21C 5/4653 (2013.01 - EP US); **F27B 3/19** (2013.01 - EP US); **F27D 3/1518** (2013.01 - EP US)

Citation (examination)

- G.Wahrig, Deutsches Wörterbuch, 1991 (Jubiläumsausgabe) Bertelsmann-Lexikonverlag, Gütersloh DE, seite 898
- STAHL UND EISEN. Bd. 105, Nr. 14 , 22. Juli 1985 , DUSSELDORF DE Seiten 765 - 769 DIETRICH SUCKER ET AL. 'Strömungsuntersuchungen für schmelzmetallurgische Prozesse'

Designated contracting state (EPC)

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