

Title (en)  
PROCESS AND APPARATUS FOR OPENING AND CLOSING A TAP HOLE OF FURNACES

Publication  
**EP 0182974 B1 19880608 (DE)**

Application  
**EP 85110249 A 19850816**

Priority  
DE 3443143 A 19841127

Abstract (en)  
[origin: US4637590A] For the alternating opening and closing of a taphole in furnaces, especially those having high internal pressure, the taphole is sealed by a shutoff member. Thereafter a plugging gun is deployed at the opening of the taphole duct, and immediately after reopening of the shutoff member, the taphole duct is completely filled out by the plugging gun with plugging compound. After the taphole duct has been filled, but before the complete hardening of the plugging compound, a tapping rod can be driven conventionally by means of a drilling machine centrally through the plugging compound up into the furnace, and can be pulled out again for the subsequent tapping step.

IPC 1-7  
**C21B 7/12**

IPC 8 full level  
**C21B 7/12** (2006.01); **F27B 3/19** (2006.01); **F27D 3/14** (2006.01); **F27D 3/15** (2006.01)

CPC (source: EP US)  
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