

Title (en)

Process and installation for closing and opening a smelting vessel

Title (de)

Verfahren und Vorrichtung zum Verschliessen und Öffnen eines Schmelzgefäßes

Title (fr)

Procédé et installation pour l'ouverture et la fermeture d'un récipient de fusion

Publication

EP 1203920 A1 20020508 (DE)

Application

EP 01124930 A 20011019

Priority

DE 10054269 A 20001102

Abstract (en)

Process for closing and opening a tapping channel (4) arranged in the base of a melting vessel (1) comprises closing the channel during the melting process on its lower end using a slide and filling the channel with a blocking liquid (7) from below. The blocking liquid does not mix with the melt. An Independent claim is also included for a blocking device (10) for closing and opening a tapping channel arranged in the base of a melting vessel. Preferred Features: The introduction of the blocking liquid is carried out by applying an external pressure with displacement of the melt in the channel.

Abstract (de)

Um das Verschließen und Öffnen von einem im Boden von Schmelzgefäßen (1) angeordneten Abstichkanal (4) zu vereinfachen und um den den Abstichkanal (4) nach unten verschließenden Schieber (5) vor der Schmelze (3) zu schützen, wird erfindungsgemäß vorgeschlagen, unter Verdrängung der Schmelze (3) den Abstichkanal (4) mit einer Sperrflüssigkeit (7) von unten zu füllen. <IMAGE>

IPC 1-7

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

IPC 8 full level

B22D 41/14 (2006.01); **B22D 41/46** (2006.01); **F27D 3/15** (2006.01); **C21C 5/46** (2006.01)

CPC (source: EP)

B22D 41/14 (2013.01); **B22D 41/46** (2013.01); **F27D 3/1509** (2013.01); **C21C 5/4653** (2013.01)

Citation (search report)

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