

Title (en)

Device for the bottom-tapping of a melting bath from a melting furnace or a teeming ladle.

Title (de)

Vorrichtung für den Bodenabstich einer Metallschmelze aus einem Schmelzofen oder einer Giesspfanne.

Title (fr)

Dispositif pour la coulée par le fond d'un bain métallique hors d'un four de fusion ou d'une poche de coulée.

Publication

EP 0171658 A1 19860219 (DE)

Application

EP 85109155 A 19850723

Priority

DE 8422585 U 19840728

Abstract (en)

1. Apparatus for bottom-tapping a metal melt (2) from a melting furnace (1) with a tapping orifice (5) in its floor, in which a) a closure plate (6) is arranged below the tapping orifice (5) and is capable of being pivoted or slid in a plane parallel to the floor of the furnace (1) between a closed position and an open position of the tapping orifice (5), and b) a filling (8) of refractory granular material is provided in the tapping orifice (5) which is closed off by the closure plate (6), characterized in that c) the closure plate (6) is arranged at a spacing of 2 to 15 mm from the adjacent mouth of the tapping orifice (5) and has a width which corresponds to at least double the clearance diameter of the tapping orifice (5), and d) the gap (7) so formed between the closure plate (6) and the adjacent mouth of the tapping orifice (5) is likewise filled with refractory granular material.

Abstract (de)

Die Vorrichtung für den Bodenabstich einer Metallschmelze (2) aus einem Schmelzofen (1) oder einer Gießpfanne weist eine unterhalb der Abstichöffnung (5) beweglich angeordnete Platte (6) auf, welche in einem Abstand von 2 bis 15 mm, vorzugsweise 5 bis 8 mm, von der Mündung der Abstichöffnung (5) angeordnet ist. In der Abstichöffnung (5) sowie im Spalt (7) zwischen deren Mündung und der Platte (6) ist eine Füllung (8) aus einem feuerfesten Granulat vorgesehen.

IPC 1-7

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Citation (search report)

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- [Y] PATENTS ABSTRACTS OF JAPAN, Band 5, Nr. 83 (M-71)[755]; & JP - A - 56 30 072 (NITSUSHIN SEIKOU K.K.) 26-03-1981

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