

Title (en)  
METHOD FOR OPENING AND CLOSING A TAPPING OPENING OF A METALLURGICAL MELTING VESSEL, AND METALLURGICAL MELTING VESSEL

Title (de)  
VERFAHREN ZUM ÖFFNEN UND SCHLIEßEN EINER ABSTICHÖFFNUNG EINES METALLURGISCHEN SCHMELZGEFÄßES UND METALLURGISCHES SCHMELZGEFÄß

Title (fr)  
PROCÉDÉ D'OUVERTURE ET DE FERMETURE D'UN TROU DE COULÉE D'UNE CUVE DE FUSION MÉTALLURGIQUE ET CUVE DE FUSION MÉTALLURGIQUE

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Abstract (en)  
[origin: WO2013182395A1] The invention relates to a method for opening and closing a tapping opening (1) of a metallurgical melting vessel (2), in particular of an electric arc furnace, in the bottom region (3) of which a wall section (4) having an opening (5) is arranged, wherein a device (6) for moving block elements (7, 8) in a direction (T) perpendicular to the surface normal of the wall section (4) in the area of the opening (5) is arranged below the opening (5), wherein the device (6) holds the block elements (7, 8) on the wall section (4) in such a way that the block elements lie against the wall section in a sealing manner. In order to achieve wear-free and reliable opening and closing of the tapping opening, it is provided that, in order to close the tapping opening (1), a block element (7) free of passage openings is moved under the opening (5) by the device (6), and that, in order to open the tapping opening (1), a block element (8) having at least one passage opening (9) is moved under the opening (5) by the device (6), such that liquid metal can drain from the melting vessel (2) through the passage opening (9) in the block element (8). The invention further relates to a metallurgical melting vessel.

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