

Title (en)  
Method of minimizing slag carryover.

Title (de)  
Verfahren zum Verringern des Mitlaufens von Schlacke.

Title (fr)  
Procédé pour diminuer l'entraînement de scorie.

Publication  
**EP 0094241 A1 19831116 (EN)**

Application  
**EP 83302619 A 19830510**

Priority  
US 37680082 A 19820510

Abstract (en)  
The method relates to minimizing slag carryover when draining molten metal from a furnace. A polyhedral-shaped body (22) having density intermediate that of the slag (20) and metal (18) is thrown onto the surface of the slag within a restricted area over the furnace taphole (14). The body will float at the slag-metal interface, and tend to lodge with one of its corners projecting into the taphole as the final portion of remaining metal drains out of the furnace. The shape of the body and its dimensions are selected so as to only partially block the taphole opening, causing flaring of the stream so as to signal a furnace operator of the impending flow of slag from the furnace. The operator then shuts off flow to prevent carryover of slag onto the molten metal already tapped. Since only the edges of the body contact the taphole, of the body does not become welded to the wall of the taphole and therefore is easily dislodged without loss of time between heats.

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IPC 8 full level  
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CPC (source: EP KR)  
**C21B 3/06** (2013.01 - KR); **C21C 5/4653** (2013.01 - EP)

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