

Title (en)  
TAPPING LAUNDER FOR AN IRON SMELT

Title (de)  
ABSTICHRINNE FÜR EINE EISENSCHMELZE

Title (fr)  
CHENAL DE COULEE POUR UN BAIN DE FER

Publication  
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Application  
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Abstract (en)  
[origin: WO9936580A1] The invention relates to a tapping launder for an iron smelt, comprising an outer support structure (10), a fireproof lining (16, 18) and a copper lining (20) with ducted cooling. Said copper lining (20) surrounds the fireproof lining (18) in the support structure (10). Solid ribs (32) on the copper lining (20) project deep into the fireproof lining (18). The main purpose of said ribs is to cool any iron smelt which penetrates through cracks in the fireproof lining (18) to hardening, hereby stopping said smelt before it comes into contact with the solid copper base body. This prevents cracks caused by overheating from forming in the solid copper base body, hereby reducing the risk of coolant leaking into the iron smelt.

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