

Title (en)

Runner cover for metallurgical heat retention.

Title (de)

Rinnenabdeckung zur Vermeidung von Wärmeverlusten bei metallurgischen Verfahren.

Title (fr)

Recouvrement d'une rinne pour éviter les déperditions de chaleur dans un procédé métallurgique.

Publication

EP 0069251 A1 19830112 (EN)

Application

EP 82105221 A 19820615

Priority

US 27831881 A 19810629

Abstract (en)

A trough cover (1), comprising a plurality of cover (2) panels, encloses a trough (t) adapted to carry hot molten material (m) to contain gaseous emissions and heat released from the molten material (m) and to prevent foreign matter from entering the trough. Each panel (2) comprises a channel-shaped support member (5) and a refractory member (6), preferably a ceramic fiber material-type refractory, the refractory (6) covering the surface of the support member (5) exposed to the molten material. A fastening means (9) secures the panels (2) together to form the top (3) and side walls (4) of the cover (1) whereby an essentially continuous refractory interior surface (10) is formed by the refractory members (6). The refractory insulates the fastening means (9) and the support members (5) of the panels (2) from the molten material (m). In alternate embodiments, stiffening flanges are provided on the support member and a handle rod is provided to facilitate lifting of the cover when covering or uncovering the trough.

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IPC 8 full level

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CPC (source: EP)

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- [A] DE 2943106 A1 19810507 - ARDAL OG SUNNDAL VERK [NO]
- [AD] US 4245820 A 19810120 - MURYN STEPHEN

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