

Title (en)
Smelting furnace container.

Title (de)
Gefäß für einen Schmelzofen.

Title (fr)
Récipient de four de fusion.

Publication
EP 0116696 A1 19840829 (DE)

Application
EP 83111875 A 19831126

Priority
DE 8235356 U 19821216

Abstract (en)
1. A vessel for a melting furnace, particularly an electric furnace, consisting of a refractory vessel wall which is composed, above the level of the melt, of a plurality of removable cooling units provided with water cooling or evaporation cooling and of vessel supports which are distributed at the circumference of the vessel, disposed at the outside of the vessel wall and connected to the supporting structure of the bottom of the vessel, as well as an upper edge carrying the vessel cover, the upper edge consisting of individual edge portions connected to the cooling units and each edge portion being composed of a plurality of different sections rigidly connected to one another, characterized in that each edge portion (6/1, 6/2 ... 6/n) comprises a T section (9), a strong-walled tube (10) to convey the upper coolant and two flat sections (11) resting on the vessel supports (3), each edge portion (6/1, 6/2 ... 6/n) being connected by means of detachable connecting elements (8) to the vessel supports (3) which are self-supporting in the upper region.

Abstract (de)
Gefäß für einen Schmelzofen, insbesondere einen Elektroofen, bestehend aus einer hitzebeständigen Gefäßwandung, welche oberhalb des Schmelzenspiegels aus mehreren mit Wasser- oder Verdampfungskühlung versehenen ausbaubaren Kühleinheiten (5) zusammengesetzt ist, und aus am Gefäßumfang verteilten, an der Außenseite der Gefäßwandung angeordneten, mit der Tragkonstruktion des Untergefäßes verbundenen Gefäßstützen (3) sowie einem den Gefäßdeckel (7) tragenden oberen Rand (6) wobei der obere Rand (6) aus einzelnen mit den Kühleinheiten (5) vereinigten Randabschnitten (6) besteht.

IPC 1-7
H05B 7/02; **F27B 3/24**; **F27D 1/18**; **F27D 9/00**

IPC 8 full level
F27B 3/10 (2006.01); **F27B 3/24** (2006.01); **F27D 1/18** (2006.01); **F27D 9/00** (2006.01); **H05B 7/02** (2006.01)

CPC (source: EP)
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Citation (search report)
• [Y] EP 0042990 A1 19820106 - MANNESMANN AG [DE]
• [Y] FR 2429985 A1 19800125 - BBC BROWN BOVERI & CIE [CH]
• [Y] DE 2824821 A1 19781207 - KORF STAHL, et al
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