

Title (en)

Converter vessel for steel preparation.

Title (de)

Konvertergefäß zur Stahlerzeugung.

Title (fr)

Réceptient de convertisseur pour la fabrication d'acier.

Publication

EP 0083138 A1 19830706 (EN)

Application

EP 82201643 A 19821221

Priority

NL 8105877 A 19811229

Abstract (en)

A converter vessel for steel preparation has an outwardly convex bottom III and a side wall I and refractory permanent and working linings which are applied on the side wall in horizontal layers 2, 3 and on the bottom in layers 4-7 which generally follow the shape of the bottom. At a transition region II between the bottom and the side wall an inwardly projecting peripheral steel flange 9, which supports the permanent lining 2 of the side wall, is secured to the vessel wall. To strengthen the flange 9 and absorb the expansion forces of the bottom lining the flange 9 forms part of a rigid hollow tubular steel structure which also includes a peripheral support wall 8 extending inwardly obliquely relative to the adjacent part of the vessel wall and transversely to the adjacent parts of the layers 4-6 of the permanent lining of the bottom.

IPC 1-7

C21C 5/44; **F27D 1/14**

IPC 8 full level

C21C 5/44 (2006.01); **F27D 1/00** (2006.01)

CPC (source: EP)

C21C 5/44 (2013.01); **F27D 1/00** (2013.01)

Citation (search report)

- [A] NL 277037 A
- [A] NL 6410842 A 19650329
- [A] DE 1282043 B 19681107 - DEMAG AG
- [A] GB 1114070 A 19680515 - HARBISON WALKER REFRACTORIES
- [A] FR 2022714 A1 19700807 - KRUPP AG HUETTENWERKE

Cited by

RU2758600C1; CN104962682A

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0083138 A1 19830706; **EP 0083138 B1 19850529**; DE 3263945 D1 19850704; NL 8105877 A 19830718

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