

Title (en)

Method of repairing the refractory lining of a steel ladle

Title (de)

Verfahren zur Wiederherstellung der Feuerfestauskleidung einer Stahlgusspfanne

Title (fr)

Procédé de réfection du garnissage réfractaire d'une poche de coulée

Publication

**EP 0729800 B1 20031029 (DE)**

Application

**EP 96101806 A 19960208**

Priority

DE 29503495 U 19950302

Abstract (en)

[origin: EP0729800A1] Metallurgical vessels, partic. steel ladles, are lined with a permanent lining (4) of a cast refractory material, applied with the aid of formwork, and attached to the inner wall (5) of the ladle with the aid of anchoring elements (6). A wear lining (3) is applied over the permanent lining. Pref., the permanent lining is compacted and has a thickness of 60-150 mm, increasing in the lower region of the ladle. The anchoring elements pref. have a dovetail-like conformation and are welded to the inside wall of the ladle.

IPC 1-7

**B22D 41/02**; **F27D 1/16**

IPC 8 full level

**B22D 41/02** (2006.01); **F27D 1/16** (2006.01)

CPC (source: EP)

**B22D 41/02** (2013.01)

Citation (examination)

- US 4122642 A 19781031 - BUCHY JAMES P
- DE 2914686 A1 19801023 - HOLTMANN GERWIN

Cited by

DE102010016128A1; CN104759611A; DE102010016128B4; CN102896308A; EP4059633A4; US6528010B2

Designated contracting state (EPC)

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**DE 29503495 U1 19950413**; DE 59610792 D1 20031204; EP 0729800 A1 19960904; EP 0729800 B1 20031029; ES 2211920 T3 20040716; PT 729800 E 20040331

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