

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)

BE DE ES LU NL PT SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

DE 29503495 U 19950302; DE 59610792 T 19960208; EP 96101806 A 19960208; ES 96101806 T 19960208; PT 96101806 T 19960208