

Title (en)  
VESSEL FOR METALLURGICAL PURPOSES

Title (de)  
GEFÄSS FÜR METALLURGISCHE ZWECKE

Title (fr)  
CUVE POUR LA METALLURGIE

Publication  
**EP 0963265 A1 19991215 (DE)**

Application  
**EP 98909339 A 19980129**

Priority  
• DE 9800322 W 19980129  
• DE 19706056 A 19970206

Abstract (en)  
[origin: US6110414A] PCT No. PCT/DE98/00322 Sec. 371 Date Aug. 3, 1999 Sec. 102(e) Date Aug. 3, 1999 PCT Filed Jan. 29, 1998 PCT Pub. No. WO98/34745 PCT Pub. Date Aug. 13, 1998A vessel for metallurgical purposes, for transporting molten metals, having a metal casing which accommodates a refractory lining, is composed of individual tubular lengths. Two reinforcement rings which run in the circumferential direction and are integrated in the metal casing at an axial distance from one another, and on which two bearing lugs are arranged opposite one another on the outside and are supported by in each case one plate which is connected to the reinforcement rings. If appropriate a lid attachment is fastened to the vessel edge, which lid attachment is frustoconical in cross section. The first reinforcement ring, which lies closer to the base, has an upwardly directed extension, which is designed in the form of a projection, in the area of the plate, which is designed as a shield segment. The, and the second reinforcement ring, which lies further away from the base, has a downwardly directed extension, which is designed in the form of a projection, in the area of the shield segment. The shield segment is welded in between the extensions. The transition from the respective extension into the respective reinforcement ring is rounded both in longitudinal section and in plan view, and the latter rounded sections merging smoothly into corresponding rounded sections of the shield segment.

IPC 1-7  
**B22D 41/00**; **C21C 5/46**

IPC 8 full level  
**B22D 41/00** (2006.01); **B22D 41/04** (2006.01); **B22D 41/06** (2006.01); **C21C 1/06** (2006.01)

CPC (source: EP US)  
**B22D 41/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 9834745A1

Designated contracting state (EPC)  
AT BE FR GB IT LU NL

DOCDB simple family (publication)  
**US 6110414 A 20000829**; AT E214647 T1 20020415; AU 6391498 A 19980826; CA 2280168 A1 19980813; CA 2280168 C 20040127; DE 19706056 C1 19980528; EP 0963265 A1 19991215; EP 0963265 B1 20020320; JP 2000512911 A 20001003; JP 3339868 B2 20021028; WO 9834745 A1 19980813

DOCDB simple family (application)  
**US 35571599 A 19990805**; AT 98909339 T 19980129; AU 6391498 A 19980129; CA 2280168 A 19980129; DE 19706056 A 19970206; DE 9800322 W 19980129; EP 98909339 A 19980129; JP 53355898 A 19980129