

Title (en)  
TWO-PART TRANSFORMER CASING HAVING LIQUID-TIGHT SEAL

Publication  
**EP 0206406 B1 19900404 (EN)**

Application  
**EP 86201030 A 19860616**

Priority  
US 74648885 A 19850619

Abstract (en)  
[origin: EP0206406A1] A liquid-tight seal is achieved in a two-part transformer casing by use of a U-shaped channel in the main body of the casing, the U-shaped channel being formed on one side by a rigid joint member (22) and, on the other side, by a flexible member (20). Both members are molded in a single unit with the main casing, but the flexible member has a decreased cross-section relative to that of the rigid member. The cover for the casing has a lip (26) extending into the U-shaped channel. The lip is wedge-shaped, having a minimum cross-sectional area at its furthest projection into the U. At its other extremity, the cross-sectional height of the lip slightly exceeds the perpendicular distance between the flexible and rigid members. A rectangular cross-sectional part (28) of the lip immediately adjacent to the cover provides a contact surface for the flexible member, while the rigid member makes contact with the wedge-shaped portion (27) over a greater area. The flexible member thus pushes the lip against the rigid member and, further, provides a backup seal should liquid pass through the seal between the lip and the rigid member.

IPC 1-7  
**B65D 43/12**; **H01F 27/02**

IPC 8 full level  
**B65D 43/12** (2006.01); **H01F 27/02** (2006.01)

CPC (source: EP)  
**B65D 43/12** (2013.01); **H01F 27/02** (2013.01)

Cited by  
WO9608021A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0206406 A1 19861230**; **EP 0206406 B1 19900404**; DE 3670173 D1 19900510; JP H0744988 U 19951205; JP S6249608 A 19870304

DOCDB simple family (application)  
**EP 86201030 A 19860616**; DE 3670173 T 19860616; JP 1126094 U 19940909; JP 13938286 A 19860617