

Title (en)
CONTAINER WITH INTERLOCKING LID

Publication
EP 0202521 B1 19890719 (DE)

Application
EP 86106079 A 19860502

Priority
DE 3518181 A 19850521

Abstract (en)
[origin: US4657154A] In containers having latchable covers for closing the container vessel, the covers are rigidly connected to the vessel opening and this condition can be disadvantageous under various load conditions. To attain a flexible yet secure closure, the cover is provided with an annular groove formed in the peripheral edge thereof. The cover is thereby capable of yielding under stress. For tensioning the cover, a device can be fixed in a recess formed in the inner wall surface of the vessel. Upright supports project out from a plate and are in contact engagement with an end face of the cover remote from a shoulder formed in the inside wall surface of the vessel opening. A tensioning unit is subjected to pressure and then presses the cover together in the region of the annular groove. After the latches are inserted into a recess, the tensioning unit is relieved of stress. The latches are then wedged in by the resilient action of the cover to produce a simple and reliable connection.

IPC 1-7
G21F 5/00

IPC 8 full level
G21F 5/00 (2006.01); **B65D 45/02** (2006.01); **G21C 19/32** (2006.01); **G21F 5/12** (2006.01)

CPC (source: EP US)
G21F 5/12 (2013.01 - EP US)

Cited by
EP1248270A1; WO9739457A1; WO9222072A1

Designated contracting state (EPC)
BE CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0202521 A1 19861126; EP 0202521 B1 19890719; BR 8602300 A 19870121; CA 1265098 A 19900130; DE 3518181 C1 19870108; DE 3664541 D1 19890824; JP S6224194 A 19870202; US 4657154 A 19870414

DOCDB simple family (application)
EP 86106079 A 19860502; BR 8602300 A 19860520; CA 509536 A 19860520; DE 3518181 A 19850521; DE 3664541 T 19860502; JP 11498586 A 19860521; US 86607086 A 19860520