

Title (en)
TAMPER-PROOF RING FOR CONTAINERS

Title (de)
VERSCHLUSS MIT GARANTIERING FÜR BEHÄLTER

Title (fr)
FERMETURE AVEC ANNEAU DE GARANTIE POUR RECIPIENTS

Publication
EP 0299017 B2 19990519 (DE)

Application
EP 88900807 A 19880127

Priority
• CH 33187 A 19870130
• CH 8800017 W 19880127

Abstract (en)
[origin: WO8805754A1] A tamper-proof ring (2) has hooks (5) by means of which the tamper-proof ring (2) is separated from the closing body (1) when the closure is lifted. The hooks (5) have a sliding wedge (8) located for example in the middle of the hook (5), which extends in the circumferential direction. The sliding surface (11) of the wedge (8) has a width that represents about one-fourth of the length of the hook (5). The sliding surface (11) preferably forms an angle (α) of 31 DEG with respect to the inner wall (4) of the tamper-proof ring and begins at the lower edge (9) of the tamper-proof ring in order to improve the positioning of the closure on the container.

IPC 1-7
B65D 41/34

IPC 8 full level
B65D 41/34 (2006.01)

CPC (source: EP US)
B65D 41/3447 (2013.01 - EP US); **B65D 2401/30** (2020.05 - EP US); **B65D 2401/35** (2020.05 - EP US)

Cited by
EP0870693A3; WO9402371A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8805754 A1 19880811; AT E67979 T1 19911015; CA 1326000 C 19940111; CH 672109 A5 19891031; CN 1009724 B 19900926; CN 88100538 A 19880921; DE 3865258 D1 19911107; EP 0299017 A1 19890118; EP 0299017 B1 19911002; EP 0299017 B2 19990519; JP H01502656 A 19890914; JP H0631100 B2 19940427; US 4913300 A 19900403

DOCDB simple family (application)
CH 8800017 W 19880127; AT 88900807 T 19880127; CA 557780 A 19880129; CH 33187 A 19870130; CN 88100538 A 19880130; DE 3865258 T 19880127; EP 88900807 A 19880127; JP 50098488 A 19880127; US 26494488 A 19880913