

Title (en)
DEVICE FOR FORMING A MOUTH IN A CONTAINER

Title (de)
VORRICHTUNG ZUM UMFORMEN EINER BEHÄLTERMÜNDUNG

Title (fr)
DISPOSITIF FORMANT UN BEC VERSEUR DE CONTENANT

Publication
EP 1023228 A4 20000802 (EN)

Application
EP 97923418 A 19970428

Priority
• JP 13285596 A 19960430
• US 9706375 W 19970428

Abstract (en)
[origin: WO9741040A1] A mouth forming device (10) for a container includes an opening section (11), an operating section (12) and a supporting section (13) which are disposed in substantially the same plane. A substantially U-shaped groove is provided between one end portion (11a) of the opening section (11) and one end portion (12a) of the operating section (12). The supporting section (13) surrounds the opening section (11) and part of the operating section (12). The operating section (12) is linked to and supported by section (13) through axles (15). The opening section (11), the operating section (12) and the supporting section (13) are integrated through a thin wall portion and the support axles by molding. When the other end portion (12b) of the operating section (12) is raised, axles (15) are twisted and section (13) rotates about axles (15) to close groove (14). Accordingly, end portion (11a) is pressed by end portion (12b) and the part of the container located beneath the opening section (11) is opened by the opening section (11).

IPC 1-7
B65D 17/50; **B65D 5/74**

IPC 8 full level
B65D 5/74 (2006.01); **B65D 17/30** (2006.01); **B65D 17/50** (2006.01); **B65D 51/22** (2006.01)

CPC (source: EP US)
B65D 5/748 (2013.01 - EP); **B65D 17/506** (2013.01 - EP US); **B65D 2251/1008** (2013.01 - EP)

Citation (search report)
• [XPA] EP 0760339 A1 19970305 - TETRA LAVAL HOLDINGS & FINANCE [CH] & WO 9533656 A1 19951214 - NIHON TETRA PAK KABUSHIKI KAIS [JP], et al
• See references of WO 9741040A1

Cited by
FR2910883A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9741040 A1 19971106; AU 2922897 A 19971119; DE 69728449 D1 20040506; DE 69728449 T2 20050120; EP 1023228 A1 20000802; EP 1023228 A4 20000802; EP 1023228 B1 20040331; JP 3607002 B2 20050105; JP H09301357 A 19971125; TW 342372 B 19981011

DOCDB simple family (application)
US 9706375 W 19970428; AU 2922897 A 19970428; DE 69728449 T 19970428; EP 97923418 A 19970428; JP 13285596 A 19960430; TW 86105719 A 19970430