

Title (en)
STEPPED FOLD FOR A TIN

Title (de)
GESTUFTER FALZ FÜR EINE BLECHDOSE

Title (fr)
FERMETURE A REPLI ETAGE POUR BOITE DE CONSERVE

Publication
EP 0760784 A1 19970312 (DE)

Application
EP 95936439 A 19951114

Priority
• DE 9501574 W 19951114
• DE 4440628 A 19941114
• DE 9501566 W 19951113

Abstract (en)
[origin: WO9615036A1] Proposed is an improvement in the shape of a fold in a tin can which will allow the use of sheet metal of lower gauge than that currently used. This is achieved with a fold geometry on a tin can which is closed off with a double fold, such as a drink or food tin; by providing a continuous or stepped contour (23) on the fold side (2c, 2b); and by ensuring that the lid hook (2a, 2b, 2c) is clearly in area-contact (positive fit) on its outer side with the free end of the body hook (1a) in its lower third. The invention, if applied to standard-gauge sheet metal, results in a better seal owing to greater clamping and locking force (2d, 21). Overall, the invention results in a stronger fold.

IPC 1-7
B65D 6/30; B21D 51/32

IPC 8 full level
B65D 8/20 (2006.01); **B21D 51/26** (2006.01); **B21D 51/30** (2006.01); **B21D 51/32** (2006.01); **B65D 6/30** (2006.01)

CPC (source: EP KR US)
B21D 51/32 (2013.01 - EP US); **B65D 7/36** (2013.01 - EP KR US)

Citation (search report)
See references of WO 9615036A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9615036 A1 19960523; AT E179379 T1 19990515; AU 3839495 A 19960606; CA 2205222 A1 19960523; CN 1067644 C 20010627; CN 1165504 A 19971119; DE 59505783 D1 19990602; EP 0760784 A1 19970312; EP 0760784 B1 19990428; ES 2133822 T3 19990916; GR 3030808 T3 19991130; HK 1005091 A1 19981224; JP H10509649 A 19980922; KR 970707018 A 19971201; US 5947673 A 19990907

DOCDB simple family (application)
DE 9501574 W 19951114; AT 95936439 T 19951114; AU 3839495 A 19951114; CA 2205222 A 19951114; CN 95196203 A 19951114; DE 59505783 T 19951114; EP 95936439 A 19951114; ES 95936439 T 19951114; GR 990401896 T 19990720; HK 98104328 A 19980519; JP 51563995 A 19951114; KR 19970703162 A 19970512; US 83637397 A 19970513