

Title (en)
An apparatus for the production of pile-up lids

Title (de)
Vorrichtung zum Herstellen stapelbarer Deckel

Title (fr)
Appareil pour la production de couvercles empilables

Publication
EP 1172157 A1 20020116 (EN)

Application
EP 00830480 A 20000710

Priority
EP 00830480 A 20000710

Abstract (en)
A process and an apparatus allow the easy production of cardboard pile-up lids (1), the process provides the steps of positioning a lid (1) to be formed onto a supporting structure (7); narrowing to an upper wall of the lid (1) a second structure (10) comprising positioning means (12); narrowing forming means (13, 14) to the peripheral wall (3) of the lid (1); forming said lid (1) by peripheral rolling said forming means (13, 14) on a side wall (3) of the lid (1); and moving away the forming means (13, 14) from the peripheral wall (3). <IMAGE>

IPC 1-7
B21D 51/44

IPC 8 full level
B21D 51/44 (2006.01)

CPC (source: EP)
B21D 51/44 (2013.01)

Citation (search report)
• [XDY] EP 0823298 A2 19980211 - SEDA SPA [IT]
• [Y] EP 0348070 A1 19891227 - METAL BOX PLC [GB]
• [A] DE 19614338 A1 19961017 - CARNAUDMETALBOX SA [FR]

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

DOCDB simple family (publication)
EP 1172157 A1 20020116; EP 1172157 B1 20060510; AT E325669 T1 20060615; CY 1105096 T1 20100303; DE 60027885 D1 20060614; DE 60027885 T2 20061130; DK 1172157 T3 20060814; ES 2262501 T3 20061201; PT 1172157 E 20060831

DOCDB simple family (application)
EP 00830480 A 20000710; AT 00830480 T 20000710; CY 061100990 T 20060718; DE 60027885 T 20000710; DK 00830480 T 20000710; ES 00830480 T 20000710; PT 00830480 T 20000710