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(54) Improved closure for containers

(57)A closure (1) for a container has a rim (3) surrounding an opening to be closed. The closure includes a lid portion (2) having a peripheral rim portion adapted to sealingly engage the rim of the container (7), a peripheral ring portion extending from the rim portion of the lid portion and having a depending portion (11) adapted to engage the rim of the container to hold the peripheral rim portion in sealing engagement with the container rim. The depending portion is formed with a multiplicity of separate flexible finger elements (12) each having an inwardly directed abutment portion which in use engages the rim of the container to hold the closure in the closed position, said fingers occupying in their as moulded or neutral positions a position in which the abutment portions are in use at least partially engaged with the rim of the container. A locking ring (14) surrounds the peripheral ring portion and is movable over the depending portion from a closed position in which the locking ring engages the depending portion to hold it in engagement with the rim, to an open position in which the depending portion is not constrained by the locking ring whereby the fingers can be flexed from their neutral positions to be disengaged from the rim to allow the closure to be removed by the application of a lifting force thereto.

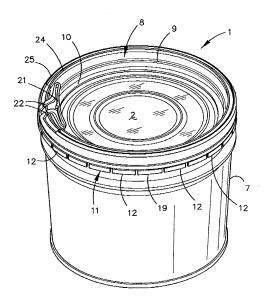


FIGURE 1

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EUROPEAN SEARCH REPORT

Application Number EP 06 25 2864

| | DOCUMENTS CONSID | | | | |
|---|---|---------------------------------------|---|---|---|
| Category | Citation of document with in of relevant pass | | ate, | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| Х | US 2 045 480 A (MAG 23 June 1936 (1936- * page 1, line 45 - | 06-23) | | 1-4,8,9, 12 | INV. B44D3/12 |
| Х | US 2 301 962 A (FRA 17 November 1942 (1 * page 2, lines 47- | .942-11-17) | : | 1-3,8,9, 12 | |
| Х | WO 01/46026 A1 (GOM 28 June 2001 (2001- * abstract; figure | 06-28) | S [ES]) | 1,12 | |
| A | US 2 339 343 A (MAG 18 January 1944 (19 * page 1, line 13 - | 44-01-18) | | 1,12 | |
| A,D | AU 2004 100 207 A4 22 April 2004 (2004 * the whole documer | -04-22) | PTY LTD) | 1-13 | |
| A | WO 02/38461 A1 (HAL [NO]; HAUGEN MATHIA 16 May 2002 (2002-6 * the whole documen | S BAKKE [NO]) 05-16) | AKKE : | 1-13 | TECHNICAL FIELDS SEARCHED (IPC) B44D B65D |
| | The present search report has | oeen drawn up for all clair | ns | | |
| Place of search | | Date of completion | n of the search | | Examiner |
| | Munich | 10 Febru | bruary 2012 – Ziegler, Hans-Jürger | | |
| X : parti Y : parti docu A : tech O : non | ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot iment of the same category nological background written disclosure mediate document | E:e # her D:: L:c &:1 | heory or principle u earlier patent docun fter the filing date document cited in the locument cited for commender of the same | nent, but publis ne application other reasons | hed on, or |

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 06 25 2864

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-02-2012

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|---|----|---------------------|----------|----------------------------|------------------------|
| US 2045480 | A | 23-06-1936 | NONE | | |
| US 2301962 | Α | 17-11-1942 | NONE | | |
| WO 0146026 | A1 | 28-06-2001 | NONE | | |
| US 2339343 | Α | 18-01-1944 | NONE | | |
| AU 2004100207 | A4 | 22-04-2004 | NONE | | |
| WO 0238461 | A1 | 16-05-2002 | AU WO | 2421902 A 0238461 A1 | 21-05-200 16-05-200 |
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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