

Title (en)

Apparatus for making a metal lid, method for making said lid and metal lid thus made

Title (de)

Vorrichtung zur Herstellung eines Metalldeckels, Metalldeckel und Verfahren zu dessen Herstellung

Title (fr)

Appareil pour la fabrication d'un couvercle métallique, procédé pour sa fabrication et couvercle métallique ainsi utilisé

Publication

EP 1829628 A1 20070905 (EN)

Application

EP 07102760 A 20070221

Priority

IT UD20060041 A 20060227

Abstract (en)

Apparatus (10) and method for making a metal lid (12) comprising a threaded tubular portion (12a). The apparatus (10) comprises at least a cutting and molding station (15), in correspondence with which, from a substantially plane metal sheet (11), a disc (111) is obtained, which by means of progressive drawing is transformed into a lid (12) in a single piece with the tubular portion (12a), and a threading station (30) in which the tubular portion (12a) is provided with threading.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] WO 02068278 A2 20020906 - DAYTON SYSTEMS GROUP INC [US], et al
- [XA] US 5822843 A 19981020 - DIEKHOFF HANS H [US], et al
- [XA] FR 633497 A 19280130 - SALLES ET COULBEAUX ETS
- [XAY] WO 03101845 A2 20031211 - ALCAN INT LTD [CA], et al
- [XA] JP S6216830 A 19870126 - MURAI SHOSUKE
- [X] US 5305906 A 19940426 - DIETRICH KLAUS [DE], et al
- [X] EP 0355647 A2 19900228 - BUEDENBENDER BERND
- [XA] JP 2003072791 A 20030312 - SATO KENJI, et al
- [YA] US 4584859 A 19860429 - SAUNDERS WILLIAM T [US]

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