

Title (en)
METHOD FOR FORMING A SHEET METAL COVER

Title (de)
VERFAHREN ZUM AUSFORMEN EINES BLECHDECKELS

Title (fr)
PROCEDE POUR FORMER UN COUVERCLE EN TOLE

Publication
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Application
EP 03808249 A 20031223

Priority

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- DE 10300914 A 20030113
- DE 10319971 A 20030505
- DE 10325561 A 20030521

Abstract (en)
[origin: US2006277966A1] The invention relates to a method for forming a sheet metal lid. At least one projection (20,21 a, 21 b) is formed twice. Firstly for shaping a pre-form (20 *) of the projection out of a panel (10) of said sheet metal lid, said pre-form being located near an attaching portion (31) of a tab (30), but at a distance from said mounting place (11). Secondly for re-forming at least a front edge (20",21 b') of said pre-form (20 *) of said at least one projection. No score line (16) is provided in said panel, neither during shaping, nor during re-forming. An improved blocking for an outer edge portion (31 c) of the attaching portion is thus obtained, said outer edge portion being associated with said front edge.

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Citation (opposition)
Opponent :

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- US 3871314 A 19750318 - STARGELL DONALD E
- US 5119664 A 19920609 - SCHUBERT JAMES R [US]
- US 5918499 A 19990706 - LANGLASSE JEAN [FR], et al
- EP 1055468 A2 20001129 - SHOWA SEIKI CO LTD [JP]

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DOCDB simple family (publication)
US 2006277966 A1 20061214; US 7384227 B2 20080610; AT E357982 T1 20070415; AU 2003303754 A1 20040813; AU 2003303754 A8 20040813; BR 0317991 A 20051206; BR 0317991 B1 20140722; DE 10300914 A1 20040729; DE 10300914 B4 20100304; DE 10325561 A1 20050414; DE 50306935 D1 20070510; EP 1583620 A2 20051012; EP 1583620 B1 20070328; EP 1583620 B2 20101027; PL 202693 B1 20090731; PL 376209 A1 20051227; RU 2005125722 A 20060110; RU 2340522 C2 20081210; WO 2004065033 A2 20040805; WO 2004065033 A3 20040916

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