

Title (en)
Casting method.

Title (de)
Verfahren zum Giessformen.

Title (fr)
Procédé de coulage.

Publication
EP 0321179 A1 19890621 (EN)

Application
EP 88311768 A 19881213

Priority
GB 8729221 A 19871215

Abstract (en)
Soap, a non-soap detergent or a mixture of both is cast directly into bars by casting into a pack made out of flexible film, airtightly sealing the pack while filling thereof is still liquid or semi-liquid and allowing to set. Preferably the pack is sealed by sealing through an excess of the filling material.

IPC 1-7
B65B 3/04; **B65B 9/02**; **C11D 13/16**

IPC 8 full level
B65B 3/04 (2006.01); **B65B 9/02** (2006.01); **C11D 13/16** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01)

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B65B 3/04 (2013.01 - EP); **B65B 9/023** (2013.01 - EP); **C11D 3/16** (2013.01 - KR); **C11D 13/14** (2013.01 - KR); **C11D 13/16** (2013.01 - EP); **C11D 17/0052** (2013.01 - EP); **C11D 17/041** (2013.01 - EP)

Citation (search report)
• [X] DE 1149846 B 19630606 - PAUL SCHMITT DR
• [Y] FR 1064427 A 19540513
• [Y] US 3245197 A 19660412 - MIL JR STEPHEN A VAN, et al
• [Y] FR 2332906 A1 19770624 - BOSCH GMBH ROBERT [DE]
• [Y] FR 1597253 A 19700622
• [Y] US 4090342 A 19780523 - RISHEL JAMES P
• [X] EP 0244084 A2 19871104 - BALL ANDREW COOPER

Cited by
US5002685A; DE102016220034A1; CN100430464C; EP0493197A1; FR2670795A1; EP1319707A1; US2011278429A1; ES2052417A1; US6107262A; EP0530156A3; AU726769B2; CZ297819B6; US6238612B1; US7159834B1; WO03025110A1; WO2016046691A1; WO9853038A1; US6520322B2; US7401697B2; US8007703B2; EP1776448B2

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