

Title (en)
INDUCTION SEALING SYSTEM, METHOD AND APPARATUS

Title (de)
INDUKTIONSDICHTUNGSSYSTEM, VERFAHREN UND VORRICHTUNG

Title (fr)
SYSTÈME, PROCÉDÉ ET APPAREIL D'ÉTANCHÉITÉ PAR INDUCTION

Publication
EP 3213600 A1 20170906 (EN)

Application
EP 15752042 A 20150210

Priority

- FI 20145162 A 20140220
- FI 2015050082 W 20150210

Abstract (en)
[origin: WO2015124830A1] The invention relates to an induction sealing apparatus (50) for induction sealing an end of a container. The induction sealing apparatus (50) comprises an induction coil (21) comprising at least one active area (22) and at least one pressing unit (30) comprising jaws (31) arranged inside, or at least coaxial with said active area (22), wherein the induction coil (21) is arranged to induction heat an electrically conductive layer of the container inside the active area (22) for smelting a sealing layer of the container and wherein jaws (31) are arranged to press material layers together inside or at least coaxial with the active area (22) for forming a seam. The invention further relates to an aseptic liquid packaging machine and a method for sealing ends of liquid containers by an induction sealing apparatus.

IPC 8 full level
H05B 6/10 (2006.01); **B21D 51/26** (2006.01); **B29C 65/36** (2006.01); **B29C 65/46** (2006.01); **B65B 51/22** (2006.01)

CPC (source: EP FI)
B29C 65/3656 (2013.01 - EP); **B29C 65/3668** (2013.01 - EP); **B29C 66/112** (2013.01 - EP); **B29C 66/131** (2013.01 - EP); **B29C 66/542** (2013.01 - EP); **B29C 66/612** (2013.01 - EP); **B29C 66/63** (2013.01 - EP); **B29C 66/72321** (2013.01 - EP); **B29C 66/72328** (2013.01 - EP); **B29C 66/8122** (2013.01 - EP); **B29C 66/81419** (2013.01 - EP); **B29C 66/81811** (2013.01 - EP); **B29C 66/8322** (2013.01 - EP); **B29C 66/8432** (2013.01 - EP); **B29C 66/92445** (2013.01 - EP); **B65B 7/16** (2013.01 - EP); **B65B 51/22** (2013.01 - EP); **B65B 51/227** (2013.01 - FI); **H05B 6/101** (2013.01 - FI); **H05B 6/105** (2013.01 - EP); **H05B 6/14** (2013.01 - EP); **H05B 6/36** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/7392** (2013.01 - EP); **B29C 66/7486** (2013.01 - EP); **B29L 2031/712** (2013.01 - EP)

C-Set (source: EP)
1. **B29C 66/8122** + **B29K 2901/00**
2. **B29C 66/8122** + **B29K 2909/02**
3. **B29C 66/71** + **B29K 2023/06**
4. **B29C 66/71** + **B29K 2023/0633**
5. **B29C 66/71** + **B29K 2023/065**
6. **B29C 66/71** + **B29K 2023/12**
7. **B29C 66/71** + **B29K 2067/003**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015124830 A1 20150827; EP 3213600 A1 20170906; EP 3213600 A4 20180620; FI 125452 B 20151015; FI 20145162 A 20150821

DOCDB simple family (application)
FI 2015050082 W 20150210; EP 15752042 A 20150210; FI 20145162 A 20140220