

Title (en)
SEALING DEVICE AND SEALING METHOD

Title (de)
ABDICHTUNGSVORRICHTUNG UND ABDICHTUNGSVERFAHREN

Title (fr)
DISPOSITIF DE SCELLEMENT ET PROCÉDÉ DE SCELLEMENT

Publication
EP 2837570 A4 20151118 (EN)

Application
EP 13775777 A 20130321

Priority
• JP 2012088847 A 20120409
• JP 2013058040 W 20130321

Abstract (en)
[origin: EP2837570A1] An object of the present invention is to provide a sealing device and a sealing method with which oxygen substitution can be sufficiently carried out even in a bag-like container. The present invention is a sealing device for putting a content into a bag-like container and sealing the container, and includes a content supply portion that supplies the content to the container having an opening in an open state, an inert gas supply portion that supplies inert gas to the container, a liquefied inert gas supply portion that supplies liquefied inert gas to the container, and a sealing portion that seals the opening of the container after the liquefied inert gas is supplied.

IPC 8 full level
B65B 31/00 (2006.01); **B65B 25/00** (2006.01); **B65B 31/04** (2006.01); **B65B 39/12** (2006.01); **B65B 7/02** (2006.01); **B65B 39/00** (2006.01); **B65B 51/00** (2006.01)

CPC (source: EP US)
B65B 31/02 (2013.01 - US); **B65B 31/041** (2013.01 - EP US); **B65B 51/146** (2013.01 - EP US); **B65B 31/044** (2013.01 - EP US)

Citation (search report)
• [Y] EP 1964780 A1 20080903 - GEN PACKER CO LTD [JP]
• [XY] JP 2006347569 A 20061228 - DAIWA CAN CO LTD
• [YA] US 3949536 A 19760413 - CHEVALIER MARCEL
• [YA] JP 2005255236 A 20050922 - TOYO SEIKAN KAISHA LTD
• [A] JP 2001206313 A 20010731 - SHOWA ALUMINIUM CAN KK
• [A] US 5737905 A 19980414 - MILANI MARCO [IT]
• [A] JP S6068223 A 19850418 - TOYO SEIKAN KAISHA LTD
• [A] US 2182187 A 19391205 - MELVIN WAGNER
• [A] US 2012008884 A1 20120112 - MURRAY R CHARLES [US]
• [A] JP S5458591 A 19790511 - DAIDO OXYGEN, et al
• See references of WO 2013153928A1

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

DOCDB simple family (publication)
EP 2837570 A1 20150218; EP 2837570 A4 20151118; CN 104254483 A 20141231; JP 6238891 B2 20171129; JP WO2013153928 A1 20151217; KR 20150002722 A 20150107; US 2015082752 A1 20150326; WO 2013153928 A1 20131017

DOCDB simple family (application)
EP 13775777 A 20130321; CN 201380019134 A 20130321; JP 2013058040 W 20130321; JP 2014510100 A 20130321; KR 20147030536 A 20130321; US 201314391350 A 20130321