

Title (en)
INFLATION DEVICE

Title (de)
AUFBLASVORRICHTUNG

Title (fr)
DISPOSITIF DE GONFLAGE

Publication
EP 2429906 A1 20120321 (EN)

Application
EP 10774616 A 20100422

Priority
• IB 2010051762 W 20100422
• ZA 200903257 A 20090512

Abstract (en)
[origin: WO2010131137A1] An inflation device for inflating containers having a body with an air channel therein being in the form of a venturi tube. A first inlet is provided in the body, being in communication with the air channel, to allow compressed air to flow into the air channel. An outlet is provided in the body, being in communication with the air channel, to allow the air to exit the air channel for inflating a container joined to the outlet. A second inlet is provided in the body, being in communication with the first inlet, to allow ambient air to be sucked into the air channel as a result of the compressed air flowing in the air channel and passing through the venturi tube. A self-closing valve is located at the second inlet for closing off the second inlet if the pressure in the air channel is greater than the ambient pressure. The inflation device further has a sensor means being adapted to continuously measure the pressure in a container joined to the body and a manually operable valve for interrupting the supply of compressed air into the air channel.

IPC 8 full level
B65B 31/04 (2006.01); **B60P 7/00** (2006.01); **B63B 25/24** (2006.01)

CPC (source: EP US)
B60P 7/065 (2013.01 - EP US); **B65B 55/20** (2013.01 - EP US)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010131137 A1 20101118; AU 2010247030 A1 20111208; CA 2761693 A1 20101118; EP 2429906 A1 20120321; EP 2429906 A4 20171122; US 2012114505 A1 20120510; ZA 201108194 B 20120926

DOCDB simple family (application)
IB 2010051762 W 20100422; AU 2010247030 A 20100422; CA 2761693 A 20100422; EP 10774616 A 20100422; US 201113292862 A 20111109; ZA 201108194 A 20111109