

Title (en)

SYSTEM FOR EVACUATING A FOOD CONTAINER, CONTAINER COMPRISING A LID, AND METHOD

Title (de)

SYSTEM ZUM EVAKUIEREN EINES NAHRUNGSMITTELBEHÄLTERS MIT DECKEL UND VERFAHREN

Title (fr)

SYSTEME POUR FAIRE LE VIDE DANS UN CONTENANT ALIMENTAIRE, CONTENANT AVEC COUVERCLE ET PROCEDE ASSOCIE

Publication

**EP 1673282 B1 20070221 (DE)**

Application

**EP 03757710 A 20031016**

Priority

DE 0303430 W 20031016

Abstract (en)

[origin: WO2005044667A1] The invention relates to a system for evacuating a container (1) which can be closed by means of a lid (3) and whose container space (33) is used for storing food. Said system comprises a vacuum pump (64), the lid (3), and the container (1) that can be closed by means of the lid (3). A valve (35) is embodied along a flow duct (18; 89) that extends from the exterior to the interior on the lid (3) or the container (1). Said valve (35) seals the closed container (1) in a pressure-tight manner towards the atmosphere once the container space (33) has been evacuated by the vacuum pump (64). A control valve (58) is configured within the suction duct (63) on the vacuum pump (64). Said control valve (58) is brought into the open position thereof by a stop surface (81) that is located on the container (1) or the lid (3) when the control valve (58) is coupled to the flow duct (18; 89) embodied in the lid (3) or container (1) such that the suction duct (63) in the vacuum pump (64) is unblocked. This ensures that only vacuum pumps generating adequate pressures for the containers can be placed on the valve arrangement.

IPC 8 full level

**B65B 31/04** (2006.01)

CPC (source: EP)

**B65B 31/047** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005044667 A1 20050519**; AT E354521 T1 20070315; AU 2003273753 A1 20050526; DE 50306614 D1 20070405; EP 1673282 A1 20060628; EP 1673282 B1 20070221; ES 2280788 T3 20070916

DOCDB simple family (application)

**DE 0303430 W 20031016**; AT 03757710 T 20031016; AU 2003273753 A 20031016; DE 50306614 T 20031016; EP 03757710 A 20031016; ES 03757710 T 20031016