

Title (en)

DEVICE FOR PROTECTING A VACUUM PUMP FROM EVACUATED LIQUIDS

Title (de)

VORRICHTUNG ZUM SCHUTZ DER VAKUUMPUMPE VOR EVAKUIERFLÜSSIGKEITEN

Title (fr)

DISPOSITIF PERMETTANT DE PROTEGER UNE POMPE A VIDE CONTRE DES LIQUIDES CONTENUS DANS DES RECIPIENTS MIS SOUS VIDE

Publication

EP 0751894 A1 19970108 (DE)

Application

EP 95913857 A 19950324

Priority

- DE 9500396 W 19950324
- DE 4410290 A 19940325

Abstract (en)

[origin: WO9526298A1] When a vacuum pump (32) is used to produce a vacuum in rigid or flexible packaging (2), it is impossible to prevent liquids evacuated from the package from reaching the region of the pump (32). In order to prevent this from affecting or damaging the pump (32), the invention calls for a buffer tank (30) or similar device to be connected upstream of the pump (32). In a particularly simple and practical embodiment of the invention, the housing (2) of the vacuum-packaging machine is used as the buffer tank (30), one side of the housing (2) being fitted with a connection point (5) for connecting tubing (7) and the opposite side being fitted with a connection point (15) for the tubing (19) from the standard food packaging (21) to be evacuated. Any liquids evacuated from the packaging will have to pass through the housing (2) which is impossible, resulting in their collecting in the housing from where they can be removed without any great difficulty.

IPC 1-7

B65B 31/00; **B65D 81/20**

IPC 8 full level

B65B 31/00 (2006.01); **B65D 81/20** (2006.01)

CPC (source: EP)

B65B 31/00 (2013.01)

Citation (search report)

See references of WO 9526298A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9526298 A1 19951005; AT E175163 T1 19990115; AU 2108395 A 19951017; DE 4410290 A1 19951026; DE 59504694 D1 19990211; EP 0751894 A1 19970108; EP 0751894 B1 19981230

DOCDB simple family (application)

DE 9500396 W 19950324; AT 95913857 T 19950324; AU 2108395 A 19950324; DE 4410290 A 19940325; DE 59504694 T 19950324; EP 95913857 A 19950324