

Title (en)

PRESSURISATION/PARTIAL VACUUM PUMP FOR DELIVERING PREDETERMINED AMOUNTS OF A PRODUCT

Title (de)

UNTER- UND ÜBERDRUCKPUMPE ZUR ABGABE VON VORBESTIMMTEN MENGEN VON PRODUKTEN

Title (fr)

POMPE A DEPRESSION ET SURPRESSION POUR DEBITER DES QUANTITES PREDETERMINEES DE PRODUITS

Publication

**EP 0689647 B1 19971210 (FR)**

Application

**EP 94907656 A 19940310**

Priority

- FR 9303168 A 19930315
- IB 9400035 W 19940310

Abstract (en)

[origin: WO9421924A1] A pump including a sealed chamber (10) which can suck in a product feed through a first inlet (16) by means of an air pump (32) forming a partial air vacuum therein via a port (19). The product is received in an inner vessel (20) supported on a weight sensor (30) which outputs an electrical signal representative of the product weight. The signal is fed to an electronic air pump control unit (50). Once the product has reached the desired weight, it is discharged by the air pump pressurising said chamber, the product exiting through a vertical outlet (18) with its lower end at the bottom of the vessel.

IPC 1-7

**F04F 1/02**; **F04F 5/50**

IPC 8 full level

**F04F 1/02** (2006.01)

CPC (source: EP)

**F04F 1/02** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9421924 A1 19940929**; AT E161076 T1 19971215; AU 6114494 A 19941011; DE 69407274 D1 19980122; DE 69407274 T2 19980723; EP 0689647 A1 19960103; EP 0689647 B1 19971210; FR 2702802 A1 19940923; FR 2702802 B1 19950512

DOCDB simple family (application)

**IB 9400035 W 19940310**; AT 94907656 T 19940310; AU 6114494 A 19940310; DE 69407274 T 19940310; EP 94907656 A 19940310; FR 9303168 A 19930315