

Title (en)

An improved positive displacement pump, in particular for food products

Title (de)

Verdrängungspumpe zum Fördern von Lebensmitteln

Title (fr)

Pompe à déplacement positif pour pomper des produits nutritionnels

Publication

**EP 1843041 A1 20071010 (EN)**

Application

**EP 06425247 A 20060407**

Priority

EP 06425247 A 20060407

Abstract (en)

The pump is normally used for pumping fluid products containing solid parts, and comprises a piston (1), slidable internally of a chamber (1a), which piston (1) introduces the product into the chamber (1a) by aspirating the product through an inlet mouth (2) and expels the product from the chamber (1a) through an outlet mouth (4); the chamber (1a) develops along a longitudinal axis; the inlet mouth (2) and the outlet mouth (4) have axes which are perpendicular to the chamber (1a) axis ; the piston (1) is arranged coaxially to the chamber (1a) axis at an end of the chamber (1a) and slides between two extreme positions in such a way that it never covers the inlet mouth (2) and the outlet mouth (4) holes.

IPC 8 full level

**F04B 15/02** (2006.01); **F04B 7/02** (2006.01)

CPC (source: EP)

**F04B 7/0266** (2013.01); **F04B 15/02** (2013.01); **F04B 53/007** (2013.01); **F04B 53/162** (2013.01)

Citation (search report)

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WO2023179865A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1843041 A1 20071010**; **EP 1843041 B1 20081126**; AT E415557 T1 20081215; DE 602006003863 D1 20090108

DOCDB simple family (application)

**EP 06425247 A 20060407**; AT 06425247 T 20060407; DE 602006003863 T 20060407