

Title (en)

Pump body for open impeller centrifugal pumps installed in a longitudinal position and fitted with an air vent pipe

Title (de)

Pumpenkörper für offene, länglich eingebaute und mit einem Luftabzugsrohr ausgestattete Flügelrad-Zentrifugalpumpen

Title (fr)

Corps de pompe pour pompes centrifuges à roue ouverte installées dans une position longitudinale et dotées d'un tuyau d'aération

Publication

**EP 2320087 A1 20110511 (EN)**

Application

**EP 10425344 A 20101029**

Priority

IT RM20090173 U 20091106

Abstract (en)

The invention relates to a pump body for open impeller centrifugal pumps, installed in a longitudinal position, the top of which is fitted - preferably in a vertical position to the suction pipe - with at least one air vent pipe capable of effecting the evacuation of all the air trapped inside the pump body.

IPC 8 full level

**F04D 9/00** (2006.01); **E03D 5/00** (2006.01); **F04D 7/04** (2006.01); **F04D 13/00** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)

**E03D 9/10** (2013.01); **F04D 7/04** (2013.01); **F04D 9/006** (2013.01); **F04D 13/00** (2013.01); **F04D 29/426** (2013.01); **E03C 1/2665** (2013.01)

Citation (search report)

- [X] DE 29514402 U1 19951109 - ELEKTRA BECKUM AG [DE]
- [X] DE 19923349 A1 20000420 - GARDENA KRESS & KASTNER GMBH [DE]
- [X] DE 102006016199 A1 20071011 - ALFA LAVAL KOLDING AS [DK]
- [X] JP S59147898 A 19840824 - MATSUSHITA ELECTRIC WORKS LTD

Cited by

US10267317B2; EP2861374B1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2320087 A1 20110511**; IT RM20090173 U1 20110507

DOCDB simple family (application)

**EP 10425344 A 20101029**; IT RM20090173 U 20091106