

Title (en)

External thermal insulation for a pump

Title (de)

Äussere Wärmedämmung einer Pumpe

Title (fr)

Isolation extérieure pour une pompe

Publication

EP 1647718 A1 20060419 (DE)

Application

EP 05017163 A 20050806

Priority

DE 102004049569 A 20041012

Abstract (en)

The thermal insulation unit for a pump housing (1) comprises an outer insulation shell (2) consisting of a plastic material or a sheet metal, in particular, aluminum, and a space (6) filled completely with a plastic foam between the shell and the pump housing. An independent claim is also included for a method for providing a pump housing with the proposed thermal insulation unit.

IPC 8 full level

F04D 29/58 (2006.01)

CPC (source: EP)

F04D 29/5893 (2013.01)

Citation (search report)

- [X] DE 4038872 A1 19920604 - MANNESMANN AG [DE]
- [X] EP 1203887 A2 20020508 - WILO GMBH [DE]
- [X] EP 1429034 A2 20040616 - WILO AG [DE]
- [A] DE 3109624 A1 19821014 - OPLAENDER WILO WERK GMBH [DE]
- [A] US 5997258 A 19991207 - SAWYER III COLON W [US], et al

Cited by

US10415589B2; US2016312794A1; WO2015082679A1

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

DOCDB simple family (publication)

EP 1647718 A1 20060419; EP 1647718 B1 20120523; DE 102004049569 A1 20060420

DOCDB simple family (application)

EP 05017163 A 20050806; DE 102004049569 A 20041012