

Title (en)  
Centrifugal pump assembly

Title (de)  
Kreispumpenaggregat

Title (fr)  
Agrégat de pompe centrifuge

Publication  
**EP 2236839 B1 20131113 (DE)**

Application  
**EP 09005021 A 20090404**

Priority  
EP 09005021 A 20090404

Abstract (en)  
[origin: EP2236839A1] The assembly has an interior housing (8) formed fluid-tightly and defining flow paths (10) for conveying a fluid. An insulating layer (16) thermally surrounds the interior housing at an external side. An external housing (14) externally and sportingly surrounds the insulating layer, and is made of metal. The interior housing is manufactured as an injection molding part, and is made of a composite material i.e. fiber-reinforced plastic. A support element (18) is arranged between interior and external housings, and transmits load from the interior housing to the external housing.

IPC 8 full level  
**F04D 29/42** (2006.01); **F04D 29/58** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)  
**F04D 29/426** (2013.01); **F04D 29/4286** (2013.01); **F04D 29/5893** (2013.01); **F04D 29/628** (2013.01); **F05D 2300/43** (2013.01)

Cited by  
US10415589B2; US2016312794A1; JP2016540158A; CN110043508A; EP2813711A1; JP2015007423A; CN105814318A; EP4390140A1; LU503228B1; US9624945B2; WO2015082679A1; WO2022023266A1

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**EP 2236839 A1 20101006; EP 2236839 B1 20131113**

DOCDB simple family (application)  
**EP 09005021 A 20090404**