

Title (en)  
CENTRIFUGAL PUMP

Title (de)  
KREISELPUMPE

Title (fr)  
POMPE CENTRIFUGE

Publication  
**EP 2591237 B1 20200722 (DE)**

Application  
**EP 11724226 A 20110609**

Priority  
• DE 102010026448 A 20100708  
• EP 2011059587 W 20110609

Abstract (en)  
[origin: WO2012004080A1] The invention relates to a centrifugal pump, comprising a rotor and a housing surrounding said rotor, said housing having a connection on the pressure side and on the intake side, respectively. According to the invention, the housing surrounding the rotor is designed as a composite part, wherein a first thin-walled layer (5) defines the inner shape of the housing. At least one second layer (11) establishes the stability of the housing.

IPC 8 full level  
**F04D 29/02** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP US)  
**F04D 1/00** (2013.01 - US); **F04D 29/026** (2013.01 - EP US); **F04D 29/42** (2013.01 - US); **F04D 29/426** (2013.01 - EP US); **F04D 29/4266** (2013.01 - EP US); **F05D 2230/31** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US); **F05D 2300/10** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **Y10S 415/915** (2013.01 - EP US); **Y10T 29/49243** (2015.01 - EP US)

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

DOCDB simple family (publication)  
**DE 102010026448 A1 20120112**; CN 103097738 A 20130508; CN 103097738 B 20170405; EP 2591237 A1 20130515; EP 2591237 B1 20200722; US 2013121817 A1 20130516; US 8851834 B2 20141007; WO 2012004080 A1 20120112

DOCDB simple family (application)  
**DE 102010026448 A 20100708**; CN 201180033737 A 20110609; EP 11724226 A 20110609; EP 2011059587 W 20110609; US 201313735401 A 20130107