

Title (en)
Centrifugal pump having an inner casing and an outer casing

Title (de)
Kreiselpumpe mit Innen- und Aussengehäuse

Title (fr)
Pompe centrifuge avec boîtier intérieur et extérieur

Publication
EP 1906029 A1 20080402 (EN)

Application
EP 06120910 A 20060919

Priority
EP 06120910 A 20060919

Abstract (en)
A centrifugal pump comprises an inner casing and an outer casing surrounding the inner casing in a fluid tight way. The outer casing has an inlet at an axial end and a tangentially oriented outlet at its circumference. The outer casing comprises at least two outer casing parts which can be joined to each other in a fluid tight way along a joining face. The joining face extends along at least two planes that are oriented at an angle with respect to each other. The joining face runs continuously outside of the tangentially oriented outlet at the circumference of the outer casing.

IPC 8 full level
F04D 29/42 (2006.01)

CPC (source: EP)
F04D 29/4286 (2013.01)

Citation (applicant)
WO 2005024243 A1 20050317 - WEIR WARMAN LTD [AU], et al

Citation (search report)
• [A] WO 2005024243 A1 20050317 - WEIR WARMAN LTD [AU], et al
• [A] WO 2004033919 A1 20040422 - DUECHTING PUMPEN MASCHF GMBH [DE], et al
• [A] US 5127800 A 19920707 - HYLL JOHN [US], et al
• [A] US 2110079 A 19380301 - BUTLER CLYDE A

Cited by
EP3225843A1; WO2012074402A1; WO2022150871A1; WO2013112045A1; US9726193B2; NL2022881B1; US11885345B2

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 1906029 A1 20080402; EP 1906029 B1 20091216; AT E452295 T1 20100115; CN 101220817 A 20080716; CN 101220817 B 20120704; DE 602006011162 D1 20100128

DOCDB simple family (application)
EP 06120910 A 20060919; AT 06120910 T 20060919; CN 200710182198 A 20070919; DE 602006011162 T 20060919