

Title (en)
Centrifugal electric pump with axial suction

Title (de)
Zentrifugalelektropumpe mit axialer Ansaugung

Title (fr)
Pompe électrique centrifuge avec aspiration axiale

Publication
EP 2060791 A1 20090520 (EN)

Application
EP 07425715 A 20071113

Priority
EP 07425715 A 20071113

Abstract (en)
A centrifugal electric pump with axial suction comprises at least two impellers (6) hydraulically mounted in series in the main casing and in which, D being the distance between the central axis (17) of the delivery opening (5) and the first connecting plane (13) defined by the suction opening (4), A being the distance between the axis of rotation (X) of the impellers (6) and the electric pump (1) supporting plane (10), and B being the distance between the axis of rotation (X) and the second connecting plane (20) defined by the delivery opening (5); the following relations apply: $0.7 \leq A / B \leq 0.9$; $1.3 \leq A / D \leq 2.25$; and $1.6 \leq B / D \leq 2.9$.

IPC 8 full level
F04D 1/06 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)
F04D 1/063 (2013.01); **F04D 29/426** (2013.01); **F04D 29/4293** (2013.01)

Citation (search report)
• [X] DE 2034489 A1 19720113 - ALLWEILER AG
• [X] JP S5281701 A 19770708 - EBARA MFG

Cited by
WO2023151114A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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