

Title (en)  
IMPELLER ASSEMBLY FOR A CENTRIFUGAL PUMP

Title (de)  
KREISELPUMPENLAUFRAD

Title (fr)  
ROUE À AUBES DE POMPE CENTRIFUGE

Publication  
**EP 3889437 A1 20211006 (EN)**

Application  
**EP 20167250 A 20200331**

Priority  
EP 20167250 A 20200331

Abstract (en)  
The impeller assembly associable with a centrifugal pump comprises a first disk (10) and a second disk (20) firmly assembled with each other. The first disk (10) is provided with a central hole (11) and a plurality of ribs (13) obtained by pressing on a face of the same first disk facing the second disk (20). The second disk (20) is provided with a central hole (21) and a rim (22) protruding from said central hole (21). Said ribs (13) are configured such that they shape a plurality of channels (14) separated by the same ribs between the first disk (10) and the second disk (20).

IPC 8 full level  
**F04D 29/22** (2006.01)

CPC (source: EP)  
**F04D 29/2233** (2013.01)

Citation (applicant)  
WO 2016060221 A1 20160421 - EBARA CORP [JP]

Citation (search report)  
• [X] ES 2123409 A1 19990101 - BOMBAS ELECTRICAS SA [ES]  
• [X] US 6386831 B1 20020514 - STAHL HERMANN [DE], et al  
• [X] US 3139034 A 19640630 - MAXIME AMIRAULT, et al  
• [X] GB 789674 A 19580129 - PLESSEY CO LTD

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

Designated extension state (EPC)  
BA ME

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