

Title (en)
IMPELLER FOR A FLUID PUMP

Title (de)
LAUFRAD FÜR EINE FLÜSSIGKEITSPUMPE

Title (fr)
ROUE À AUBES POUR POMPE À FLUIDE

Publication
EP 3324052 A1 20180523 (EN)

Application
EP 16199566 A 20161118

Priority
EP 16199566 A 20161118

Abstract (en)
A monolithic impeller (10) for a fluid pump is described, the impeller (10) comprising a gear opening (12) defined by a cylindrical member (14) including an inner surface (16) being splined for receiving a gear shaft with said cylindrical member (14) defining an impeller axis, a plurality of blades (20) including an arcuate configuration extending outwardly relative to said impeller axis, each of said plurality of blades (20) including a proximal end (22) being disposed proximate said cylindrical member (14) and a distal end (24) disposed radially outwardly from said cylindrical member (14), a cover member (28) extending radially outwardly to said distal end (24) of said plurality of blades (20) and defining a fluid inlet (26) being concentric with said impeller axis, a hub member (44) spaced from said cover member (28) by said plurality of blades (20) and extending radially outwardly from said cylindrical member (14); and said proximal end (22) of said blades (20) extending radially inwardly of said fluid inlet (26) and said distal end (24) of said blades (20) terminating at a common concentric diameter as an outermost portion of said cover member (28) and said hub member (44).

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Citation (search report)
• [I] WO 2008141381 A1 20081127 - WEIR MINERALS AUSTRALIA LTD [AU], et al
• [A] US 6398494 B1 20020604 - CLEMENTS MARTIN A [US]
• [A] US 2015292516 A1 20151015 - REE SIGURD [NO]

Designated contracting state (EPC)
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Designated extension state (EPC)
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EP 3324052 A1 20180523; BR 102016030240 A2 20180612; MX 2017001082 A 20180723; US 2018142696 A1 20180524

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