

Title (en)
Impeller pump.

Title (de)
Impellerpumpe.

Title (fr)
Pompe à rouet.

Publication
EP 0664397 A1 19950726 (DE)

Application
EP 94100970 A 19940124

Priority
EP 94100970 A 19940124

Abstract (en)
The pump rotor is firmly connected with the pump impeller (12) and the impeller vane components (13) in a radial direction (14) evolving from the impeller axis (18) having a profiled contour. The profile of the impeller vane components, at least on one side (17), is at least partly profiled like a support surface profile. The impeller vane component on its end (19) directed towards the impeller axis is so formed that it encloses in its totality a vane-free space (20). The space has a connection with all intermediate spaces (21) between the impeller vane components (13). The rotor has an axial projection on which the pump impeller (12) is arranged.

Abstract (de)
Es wird eine Impellerpumpe (10) zur Förderung von Wasser in Aquariumgefäßen vorgeschlagen, wobei die Impellerpumpe (10) mittels eines mit einphasiger Wechselspannung betriebenen Spaltpol-Motors angetrieben wird und der Rotor (11) des Motors mit einem Pumpenimpeller (12) verbunden ist. Der Rotor (11) ist mit dem Pumpenimpeller (12) fest verbunden und die Impellerflügelelemente (13) weisen in radialer Richtung (14), ausgehend von der Impellerachse (18), eine profilierte (16) Kontur auf. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
F04D 13/06 (2013.01); **F04D 29/2283** (2013.01); **F04D 29/242** (2013.01)

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