

Title (en)
IMPELLER FOR A CENTRIFUGAL PUMP AND CENTRIFUGAL PUMP

Title (de)
LAUFRAD FÜR EINE KREISELPUMPE UND KREISELPUMPE

Title (fr)
ROUE POUR UNE POMPE CENTRIFUGE ET POMPE CENTRIFUGE

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Application
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Abstract (en)
[origin: WO2016193387A1] The invention relates to an impeller for a centrifugal pump (1), comprising a housing (2), an inlet (3), an outlet (4), and a chamber (13) which is provided in the housing (2) in fluidic connection with the inlet (3) and the outlet (4). The impeller (14, 414, 514, 614, 714, 814, 914, 1014, 1114, 1214) is received in the chamber (13) in a rotatable manner, and a gap (24) is provided between a rear face (22, 422, 522, 622, 722, 822, 922, 1022, 1122, 1222) of the impeller (14, 414, 514, 614, 714, 814, 914, 1014, 1114, 1214) and a housing wall (23). The aim of the invention is to improve the compatibility with media which form deposits. This is achieved in that the impeller (14, 414, 514, 614, 714, 814, 914, 1014, 1114, 1214) has at least one scraper (25, 425, 525, 625, 725, 825, 925, 1025, 1125, 1225) which is bonded to the impeller (14, 414, 514, 614, 714, 814, 914, 1014, 1114, 1214) at a first location (444, 544, 644, 744, 844, 944, 1044, 1144) and a second location (445, 545, 645, 745, 845, 945, 1045, 1145). The first location (444, 544, 644, 744, 844, 944, 1044, 1144) and the second location (445, 545, 645, 745, 845, 945, 1045, 1145) are spaced apart, and a cleanable intermediate space (548, 648, 748, 848, 948, 1048, 1148) is produced in the spacing between the scraper (25, 425, 525, 625, 725, 825, 925, 1025, 1125, 1225) and the rear face (22, 422, 522, 622, 722, 822, 922, 1022, 1122).

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