

Title (en)
IMPROVED HYDRAULIC PUMP

Title (de)
VERBESSERTE HYDRAULIKPUMPE

Title (fr)
POMPE HYDRAULIQUE AMÉLIORÉE

Publication
EP 2194832 A1 20100616 (EN)

Application
EP 08786999 A 20080807

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• IT PN20070068 A 20070925

Abstract (en)
[origin: WO2009040176A1] The purpose of the present invention is to provide a pump, in particular of the kind intended for use in household appliances, having a reduced initial friction resistance so as to enable motors with a lower power rating, and hence cheaper to manufacture, to be used to drive such pump. This aim is reached in a pump that has a hollow inner chamber, which accommodates an impeller (2) therein, and further comprises an electric rotor along with a related externally threaded rotation shaft (4), on which there is mounted a centrifugal splash-guard member (5), a rear wall (6) closing said inner chamber, a ring (7) provided concentrically relative to said rear wall, a corresponding cylindrical member (8) firmly joined to and coaxial with said impeller (2), said cylindrical member being adapted to slide in a tightly sealing manner against said ring, a connection fitting connecting said cylindrical member to the impeller, a hollow internally threaded tail piece (9), which is firmly joined to the impeller (2) and adapted to be screwed on such fitting; the splash-guard member (5) is provided with a cavity (5A) that is open towards said tail piece and has a step-like configuration provided therein, the diameter of which is smaller than the inside fit-in diameter of said cavity, and said tail piece (9) has an outside diameter allowing it to be inserted in the inside fit-in diameter of said cavity (5A).

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