

Title (en)

Structure for joining impeller to rotatable shaft

Title (de)

Struktur zur Befestigung eines Laufrads auf einer drehbaren Welle

Title (fr)

Structure de fixation d'impulseur sur un arbre rotatif

Publication

EP 1793124 A2 20070606 (EN)

Application

EP 06024462 A 20061124

Priority

JP 2005347533 A 20051201

Abstract (en)

A fluid machine including a shaft and an impeller, wherein the impeller has a shaft bore into which the shaft is inserted, and wherein the impeller is coupled to the shaft by an interference fit. The fluid machine further includes a positioning part provided between the shaft and the impeller, for positioning the impeller at a predetermined position on the shaft; a fitting part provided inside the shaft bore and adjacent to the positioning part, for forming the interference fit between the shaft and the impeller; and a loose-insertion part provided inside the shaft bore and adjacent to the fitting part, for forming a clearance between the shaft and the impeller.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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