

Title (en)

Recycling of the axial thrust compensation water

Title (de)

Entlastungswasserrückführung

Title (fr)

Recyclage de l'eau de compensation de la poussée axiale

Publication

**EP 0588259 B1 19960327 (DE)**

Application

**EP 93114585 A 19930910**

Priority

DE 4230715 A 19920914

Abstract (en)

[origin: EP0588259A1] The invention relates to a centrifugal pump, in which the shaft sealing takes place with a sliding-ring seal (5). A recycling arrangement (6) for the axial thrust compensation water, which opens out from the sliding-ring seal space (3), is connected to the first pump stage.

IPC 1-7

**F04D 29/04**; **F04D 29/12**

IPC 8 full level

**F04D 29/04** (2006.01); **F04D 29/12** (2006.01)

CPC (source: EP)

**F04D 29/0416** (2013.01); **F04D 29/128** (2013.01)

Cited by

EP0744551A1; US5795129A; CN105952650A; US8870521B2

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0588259 A1 19940323**; **EP 0588259 B1 19960327**; DE 4230715 A1 19940317; DE 59302033 D1 19960502

DOCDB simple family (application)

**EP 93114585 A 19930910**; DE 4230715 A 19920914; DE 59302033 T 19930910