

Title (en)  
Prewirl adjuster for centrifugal pumps.

Title (de)  
Drallregler für Kreispumpen.

Title (fr)  
Ajusteur de déflexion pour pompes centrifuges.

Publication  
**EP 0514677 B1 19940302 (DE)**

Application  
**EP 92106894 A 19920422**

Priority  
DE 4117025 A 19910524

Abstract (en)  
[origin: EP0514677A2] Prewirl adjuster (2) for centrifugal pumps having a flow channel enclosed by a casing (3) and a plurality of guide vanes (8) arranged essentially radially in said channel. Each of said guide vanes is doubly supported, namely on a centrally arranged hub (4) and on a pin (11) passing through the casing (3), which pin is also engaged by an adjusting device. The guide vanes (8) can be mounted radially through the casing (3), by providing for each guide vane an extraction slot (6) which is closed by a cover (7), which carries the seal (15) and the bearing (13) for the guide vane pin (11), which are designed so as to be alignment error-tolerant. For adjustment purposes, a self-locking geared rotary actuator (24) having a high gear ratio and a straight-through drive shaft (25) is provided. <IMAGE>

IPC 1-7  
**F04D 29/46**; F04D 29/56; F04D 29/64

IPC 8 full level  
**F04D 29/60** (2006.01); **F04D 29/46** (2006.01); **F04D 29/56** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP KR US)  
**F04C 15/00** (2013.01 - KR); **F04D 29/466** (2013.01 - EP US); **F04D 29/566** (2013.01 - EP US); **F04D 29/648** (2013.01 - EP US)

Cited by  
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