

Title (en)  
Regenerative pump control.

Title (de)  
Seitenkanalpumpenregelung.

Title (fr)  
Système de commande d'un pompe régénérative.

Publication  
**EP 0636791 A1 19950201 (EN)**

Application  
**EP 94305264 A 19940718**

Priority  
GB 9315630 A 19930728

Abstract (en)  
A regenerative pump comprises a housing (1) an impeller (5) having a plurality of vanes (13) spaced angularly around the axis of rotation of the impeller (5) within a flow channel (4) extending between an inlet (19) and outlet (20), a flow stripper (17) located between the inlet (19) and outlet (20) and through which the vanes pass, a second fluid inlet (33) that opens into the flow channel (4) between the inlet (19) and outlet (20), and control means (34) to control the supply of fluid selectively to one or the other, or one or both of said fluid inlets (19,33), thereby to vary the output of the pump. The stripper (17) incorporates a fluid flow loop (22) which intersects the path of rotation of the vanes (13). The first fluid inlet (19) is preferably spaced downstream of the stripper (17), for example, within an angular range of 15 DEG to 90 DEG from the fluid exit port (29) of the stripper (17), and preferably 45 DEG to 75 DEG from the exit port (29). <IMAGE>

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IPC 8 full level  
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**F04D 15/005** (2013.01); **F04D 23/008** (2013.01); **F04D 29/165** (2013.01)

Citation (search report)

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