

Title (en)  
CENTRIFUGAL PUMP WITH INFLOW GUIDE DEVICE

Title (de)  
KREISELPUMPE MIT EINER EINLAUFLEITEINRICHTUNG

Title (fr)  
POMPE CENTRIFUGE A DISPOSITIF DE GUIDAGE D'ADMISSION

Publication  
**EP 0985098 B1 20030502 (DE)**

Application  
**EP 98925611 A 19980518**

Priority  
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Abstract (en)  
[origin: DE19722353A1] The invention relates to a centrifugal pump having an axial inlet and an inflow guide device mounted upstream of the impeller, which guide device comprises several rigid guiding blade wheels, which on the side facing the impeller each have an edge pointing towards or away from the direction of rotation of the impeller. Said edge pointing towards or away from the direction of rotation is embodied by a twisted blade (8) positioned in the area of the wall of the inlet (2), is shaped against the guiding blade wheel (6) and is radially shorter than the guiding blade wheel (6). This raises the effectiveness of the pump and achieves an effect which increases the availability of the turbomachine.

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**F04D 29/44**

IPC 8 full level  
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Cited by  
MD2432C2; MD2246C2

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**DE 19722353 A1 19981203**; DE 59808172 D1 20030605; EP 0985098 A1 20000315; EP 0985098 B1 20030502; ES 2196563 T3 20031216; JP 2001526757 A 20011218; JP 3802572 B2 20060726; US 6273677 B1 20010814; WO 9854471 A1 19981203

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