

Title (en)

DEVICE FOR PREVENTING TURBULENCE AT PUMP INLETS

Title (de)

EINRICHTUNG ZUR VERHINDERUNG VON UNTERWASSERWIRBELN AN PUMPENEINLÄUFEN

Title (fr)

DISPOSITIF POUR EMPECHER LA FORMATION DE TOURBILLONS AUX ENTREES DE POMPES

Publication

**EP 0731880 A1 19960918 (DE)**

Application

**EP 95900701 A 19941110**

Priority

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- EP 9403720 W 19941110

Abstract (en)

[origin: WO9515440A1] The subject matter of the invention is a low-complexity device for preventing turbulence arising at the base (6) and rear wall (3) of the inlet chamber (1) of a centrifugal pump. The device has a ridge (7) of any cross section running along the base (6) of the inlet chamber (1) and passing through the extended central axis (9) of the pump inlet (4). The height (h) and width (b) of the cross section and of the segments (x1 and x2) thereof on either side of the extended central axis (9) of the pump inlet (4) are defined by reference to the diameter (D) of the pump inlet (4) as follows: a)  $0,055 < h/D < 0,29$ ; b)  $0,045 < b/D < 0,39$ ; c)  $0,45 < x1/D < \text{INFINITY}$  ; d)  $0,45 < x2/D < \text{INFINITY}$  .

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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