

Title (en)
MULTISTAGE CENTRIFUGAL PUMP

Title (de)
MEHRSTUFIGE KREISELPUMPE

Title (fr)
POMPE CENTRIFUGE MULTI-ETAGEE

Publication
EP 1625304 B1 20060913 (DE)

Application
EP 04731592 A 20040507

Priority
• EP 2004004873 W 20040507
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Abstract (en)
[origin: US2006127232A1] A multistage centrifugal pump in which each stage includes a one-piece or multi-piece housing and an impeller disposed therein. The pump stages are arranged between an inlet end member and an outlet end member and retained therebetween by connectors so as to be connected to a flow-guiding system. All impellers are positioned on a single pump shaft that is supported by at least two pump bearings. One end of the pump shaft is provided with a device for receiving a connector of a drive unit, and outer support members are disposed at mounting points adjacent the end members in order to mount the centrifugal pump in its installation location. The pump shaft (3) is supported by two two pump bearings (11, 12), with the maximum distance ($L_{SUB>L</SUB>}$) between confronting sides of the two pump bearings (11, 12) being less than or equal to a minimum structural stage height ($L_{SUB>M</SUB>}$) multiplied by the number of pump stages (2.1 - 2.5) minus 1.

IPC 8 full level
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