

Title (en)  
Pump and protector for a pump

Title (de)  
Pumpe und Protektor für Pumpe

Title (fr)  
Pompe et protection pour pompe

Publication  
**EP 2706239 B1 20190619 (DE)**

Application  
**EP 13180052 A 20130812**

Priority  
DE 102012108354 A 20120907

Abstract (en)  
[origin: EP2706239A2] The pump i.e. centrifugal pump (1), has a pump housing (2), and a motor shaft (5) connected with a pump impeller (6) that is arranged in the housing. The motor shaft extends through a shaft passage (4) in a rear wall (3) of the housing. The motor shaft is provided with a sliding ring sealing arrangement (8) in the rear wall. A sealing seat (9) of the sealing arrangement is arranged in a ring-shaped protector that is made from corrosion-resistant material i.e. bronze material, where the protector is fixedly arranged in the shaft passage. The housing is designed as a grey cast iron part.

IPC 8 full level  
**F04D 29/02** (2006.01); **F04D 29/12** (2006.01); **F04D 1/00** (2006.01)

CPC (source: EP US)  
**F04D 1/00** (2013.01 - EP US); **F04D 29/026** (2013.01 - EP US); **F04D 29/12** (2013.01 - US); **F04D 29/126** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US); **F05D 2300/111** (2013.01 - EP US)

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US 3551067 A 19701229 - WISSMAN JACK L

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DOCDB simple family (publication)  
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