

Title (en)  
Coolant pump

Title (de)  
Kühlmittelpumpe

Title (fr)  
Pompe de refroidissement

Publication  
**EP 1988293 B1 20200115 (EN)**

Application  
**EP 08103647 A 20080422**

Priority  
• US 91530007 P 20070501  
• US 78136607 A 20070723

Abstract (en)  
[origin: EP1988293A2] A coolant pump (90) includes a housing (95) having an internal axis; a bearing (100) disposed on an outside surface of the housing (95); a shaft (120) disposed along the internal axis of the housing (95), wherein the shaft (120) is journaled by the bearing (100) so as to be rotatable; an impeller (130) disposed on the shaft (120) so as to rotate with the shaft (120); and a seal (140) disposed on the shaft (120) at least partially inside of the bearing (100) so that the bearing (100) overlaps the seal (140) along the internal axis of the housing (95), wherein the bearing (100) has an inner diameter, the seal (140) has an outer diameter, and the inner diameter of the bearing (100) is greater than the outer diameter of the seal.

IPC 8 full level  
**F01P 5/10** (2006.01); **F04D 29/049** (2006.01); **F04D 29/10** (2006.01); **F04D 29/12** (2006.01)

CPC (source: EP US)  
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