

Title (en)  
**WATER PUMP IMPELLER**

Publication  
**EP 0207457 B1 19881026 (DE)**

Application  
**EP 86108761 A 19860627**

Priority  
DE 3523419 A 19850629

Abstract (en)  
[origin: WO8700249A1] A water pump rotor comprises a hub (1) on which is moulded a disc (7), a circular or parabolic transition region (2) extending between the hub and the disc. A reinforcing metal disc (4) is embedded in the disc, including in its transition region, after it has been coated on its both faces by plastic spraying. The reinforcing disc (4) comprises a hub part as an integral part of the hub, which enables to mount the reinforcing disc on a drive shaft.

IPC 1-7  
**F04D 29/22**

IPC 8 full level  
**F04D 29/22** (2006.01)

CPC (source: EP US)  
**F04D 29/2227** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **Y10S 415/915** (2013.01 - EP US)

Cited by  
DE3814186A1; WO2007003265A1; US10749410B2; US10778065B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0207457 A1 19870107**; **EP 0207457 B1 19881026**; DE 3661035 D1 19881201; JP H0648158 Y2 19941207; JP S6249696 U 19870327; JP S63500007 U 19881102; US 4762465 A 19880809; WO 8700249 A1 19870115

DOCDB simple family (application)  
**EP 86108761 A 19860627**; DE 3661035 T 19860627; DE 8600271 W 19860627; JP 60000288 U 19860627; JP 9917986 U 19860630; US 3308787 A 19870217