

Title (en)  
Stirrer for mixing, homogenising and dispersing

Title (de)  
Rührer zum Mischen, Homogenisieren und Dispergieren

Title (fr)  
Agitateur pour mélanger, homogénéiser et disperser

Publication  
**EP 1470856 B1 20060823 (DE)**

Application  
**EP 04002872 A 20040210**

Priority  
DE 10318599 A 20030424

Abstract (en)  
[origin: EP1470856A1] A stirrer for use in the purification of liquids comprises a rotating stirrer head (2) carrying paddles (4). This is mounted in a bearing (3) and has a coupling (5) for contactless-, inductive- or magnetic drive of the head. The drive side coupling components (6) are mounted in a split case (8) A bolt (15) passing centrally through the bearing and fastens it to the split case to prevent a gap forming due to it moving upwards. An independent claim is included for mounting a stirrer as described above on a tank.

IPC 8 full level  
**B01F 13/08** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)  
**B01F 33/453** (2022.01); **B01F 33/4534** (2022.01); **B01F 35/4112** (2022.01)

Cited by  
DE102016103968A1; DE102016103968B4; CN102658046A; CN108176316A; CN108435051A; EP3505233A1; EP2005017A1; US10357748B2; US11065589B2

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