

Title (en)  
IMPELLER FOR ASEPTIC PURPOSES

Publication  
**EP 0399972 B1 19930421 (EN)**

Application  
**EP 90850180 A 19900517**

Priority  
SE 8901877 A 19890526

Abstract (en)  
[origin: EP0399972A1] An impeller for aseptic purposes which is rotatable by inductive drive means in a predetermined direction within a vessel for stirring and mixing sterile fluids. The impeller (10) comprises a plurality of radially extending stirring blades (15) on an outer surface of the impeller and bearing means on an inner surface of said impeller for rotatably mounting the impeller on the vessel wall. The impeller is further provided with through-flow passages which outwardly extend from the inside of the impeller in a direction away from an axis of rotation, through orifices (25, 26) which are situated on the outer sr-face of the impeller immediately adjacent each blade (15), seen in said direction of rotation, so that cleaning fluid can be sucked through the passages due to a low pressure region occurring behind each blade.

IPC 1-7  
**B01F 3/04; B01F 15/00**

IPC 8 full level  
**B01F 3/04** (2006.01); **B01F 13/08** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)  
**B01F 33/453** (2022.01); **B01F 33/4535** (2022.01); **B01F 35/4112** (2022.01)

Cited by  
CN100340329C; US5533803A; US6206562B1; US5758965A; US5779359A; US6065865A; AT518668A4; AT518668B1; EP0590473A1; DE4232936A1; US5393142A; US2022023810A1; DE4232934A1; EP0599010A1; US5407272A; GB2440474B; WO2008088371A3; EP2196688A2; US8128277B2; US9908664B2; US11008138B2; US11312539B2

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