

Title (en)  
MIXING APPARATUS

Title (de)  
MISCHVORRICHTUNG

Title (fr)  
APPAREIL DE MÉLANGE

Publication  
**EP 2437875 A1 20120411 (EN)**

Application  
**EP 09845630 A 20090602**

Priority  
US 2009045966 W 20090602

Abstract (en)  
[origin: WO2010141012A1] The mixing rod having attached blades, the blades being of the propeller type or the impeller type, including propellers or impellers that are elongated flat-plate, curved, or contoured. The blades have arched projections extending upward or downward, or both. The arched projections are formed so that material to be blended or mixed can flow through the arch, that is, under the arch, when the blades are rotated. The blades optionally have apertures or holes therethrough, which apertures or holes, when present, are under or otherwise adjacent to the arched projections.

IPC 8 full level  
**B01F 27/91** (2022.01)

CPC (source: EP)  
**B01F 27/071** (2022.01); **B01F 27/1131** (2022.01); **B01F 27/191** (2022.01); **B01F 23/50** (2022.01); **B01F 2101/30** (2022.01)

Citation (search report)  
See references of WO 2010141012A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2010141012 A1 20101209**; CN 102639222 A 20120815; EP 2437875 A1 20120411

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**US 2009045966 W 20090602**; CN 200980160431 A 20090602; EP 09845630 A 20090602