

Title (en)
Agitator

Title (de)
Rührwerk

Title (fr)
Agitateur

Publication
EP 1055450 B1 20050727 (DE)

Application
EP 00111186 A 20000524

Priority
DE 29909312 U 19990527

Abstract (en)
[origin: US6439756B1] An agitator for agitating liquids in an agitator vessel for suspending solids and dispersing gas in a liquid, in particular in an absorber of a flue gas desulfurizing plant, includes an agitator vessel, an agitator shaft extending into the agitator vessel, and an agitating propeller mounted to the agitator shaft within the agitator vessel. The agitator shaft is hollow to define an interior space for conducting gas into the agitator vessel and injecting gas on the pressure side of the agitating propeller into the liquid.

IPC 1-7
B01F 3/04; **B01F 7/06**

IPC 8 full level
B01D 53/34 (2006.01); **B01D 53/50** (2006.01); **B01D 53/77** (2006.01); **B01F 27/71** (2022.01)

CPC (source: EP KR US)
B01F 23/2332 (2022.01 - EP US); **B01F 27/71** (2022.01 - KR); **B01F 27/60** (2022.01 - EP US)

Cited by
DE102010004206A1; CN104046562A; DE102008061258A1; DE102015108260A1; AU2010257782B2; US8894047B2; WO2010142406A1

Designated contracting state (EPC)
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US 6439756 B1 20020827; AT E300350 T1 20050815; DE 29909312 U1 19990812; DE 50010802 D1 20050901; EP 1055450 A2 20001129; EP 1055450 A3 20020619; EP 1055450 B1 20050727; JP 2001000851 A 20010109; JP 4828013 B2 20111130; KR 100472620 B1 20050308; KR 20010049418 A 20010615

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