

Title (en)
Magnetic stirrer

Title (de)
Magnetrührvorrichtung und Rührgerät

Title (fr)
Agitateur magnétique

Publication
EP 1188474 A1 20020320 (DE)

Application
EP 01810774 A 20010814

Priority
• EP 01810774 A 20010814
• EP 00810822 A 20000913

Abstract (en)
A stirring device comprises a magnetic stirring arrangement (1) with a stirrer (1a), permanent magnets (1d, 1e), and a float (1f) connected together; and a magnetic drive (2). The magnetic drive and the permanent magnets are arranged opposite each other and structured so that they form a magnetic coupling. Preferred Features: The drive has permanent magnets (2c, 2d) which form a magnetic coupling together with the permanent magnets of the magnetic stirring arrangement. The drive has a number of electromagnetic coils (2f) which together with the permanent magnets of the magnetic stirring arrangement form an electromotor.

Abstract (de)
Die Magnetrührvorrichtung (1) umfasst ein Rührteil (1a), zumindest einen Permanentmagneten (1d,1e) sowie einen Schwimmkörper (1f), welche miteinander verbunden sind. <IMAGE>

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IPC 8 full level
B01F 13/08 (2006.01)

CPC (source: EP)
B01F 33/453 (2022.01); **B01F 33/4533** (2022.01)

Citation (search report)
• [X] US 4465377 A 19840814 - DE BRUYNE NORMAN A [US]
• [X] US 4534656 A 19850813 - DE BRUYNE NORMAN A [US]
• [X] EP 0259002 A2 19880309 - TECHNE INC [US]
• [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 662 (C - 1287) 14 December 1994 (1994-12-14)

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CN113069979A; CN106237916A; CN111110142A; CN102809302A; CN112601605A; DE102009021992B3; DE102016114546A1; CN104826533A; CN115501794A; CN108886319A; CN114699971A; WO2008096018A1; US10583409B2; US8215826B2; WO2004073865A3; US11097236B2; US11969701B2; WO2017172316A1

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