

Title (en)
Magnetic stirring device.

Title (de)
Magnet-Rühreinrichtung.

Title (fr)
Dispositif agitateur magnétique.

Publication
EP 0154112 A2 19850911 (DE)

Application
EP 85100225 A 19850111

Priority
DE 3400724 A 19840111

Abstract (en)
1. Magnetic stirring apparatus with a base containing a magnetic winding system, in which pole cores (2) are arranged at the crossings of raster lines running essentially in the same direction, onto which vessels (15) of non-magnetic material, each containing a magnetic stirring rod (16) and liquid to be stirred, can be placed in the region of a plurality of stirring stations (R), characterized in that the magnetic winding system is constituted by elongated conductor members (3 to 14) running parallel to the raster lines in the gaps between the pole cores (2) and crossing each other, in which a current can be produced in such a way that the direction of current in adjacent gaps between poles, running lengthwise in the same direction, is different in each case, and the direction of current can be reversed at regular intervals or cyclically, first in the one group of parallel conductor members (3 to 8) and then in the other group of conductor members (9 to 14) running transversely to them.

Abstract (de)
Eine Vereinfachung der Herstellung des Magnetwicklungssystems einer Magnet-Rühreinrichtung, bei der Gefässe mit einem Magnetrührstab auf eine das Magnetwicklungssystem enthaltende Basis aufgesetzt werden, wird dadurch erreicht, daß einzelne Polkerne des Magnetwicklungssystems nicht mit Einzelspulen versehen werden, sondern das Wicklungssystem aus langgestreckten Leiterbahnen zusammengesetzt wird, die sich überkreuzend in die Polkernzwischenräume eingelegt werden.

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B01F 13/08; B01L 11/00; H02K 16/00; H02K 3/04; H02K 21/24

IPC 8 full level
B01F 13/08 (2006.01); **E05D 5/02** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)
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