

Title (en)

Baffle system and magnetic mixing system comprising such baffle system

Title (de)

Ablenkblechsystem und magnetisches Mischsystem mit einem solchen Ablenkblechsystem

Title (fr)

Système de déflecteurs et système mélangeur magnétique comprenant un tel système de déflecteurs

Publication

EP 2653216 A1 20131023 (EN)

Application

EP 12164327 A 20120416

Priority

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Abstract (en)

A mixing system is disclosed, comprising - a container (3) for receiving and containing substances; - a magnetic stirring bar (8) positioned within a first region of the container, and an associated first magnetic driving means (5) adapted for generating a first changing magnetic field in the first region for driving a rotational movement of the magnetic stirring bar, wherein the mixing system further comprises - a baffle system (2) arranged rotatably within the container, the baffle system comprising one or more baffles (4) or flow directing planes for directing a flow of substances within the container, the baffle system comprising at least one magnet (BM2, BM4); and - a second magnetic driving means (6) adapted for generating a second changing magnetic field, the second changing magnetic field substantially extending into a second region of the container, the second region comprising the at least one magnet and being different from the first region, to thereby drive the at least one magnet, wherein the baffle system is adapted and arranged such that it can rotate within the container by driving the at least one magnet by the second magnetic driving means; and method for mixing.

IPC 8 full level

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CPC (source: EP)

B01F 27/84 (2022.01); **B01F 27/862** (2022.01); **B01F 33/452** (2022.01)

Citation (applicant)

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