

Title (en)  
MIXING AND/OR TURBULENT MIXING DEVICE

Title (de)  
MISCH- UND/ODER VERWIRBELUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE MELANGE ET/OU DE TOURBILLONNEMENT

Publication  
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Application  
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Abstract (en)  
[origin: US2013021871A1] The invention comprises embodiments of devices and methods involving mixers and/or swirlers that better combine or optimize important factors such as mixing and turbulent mixing intensity and/or natural liquid, vapor and gas-specific mixing and turbulent mixing and/or cost-efficient application possibilities and/or precise controllability of numerous substances and amounts. Throughflow plates provided with special hole arrangements and matching mixing and/or turbulent mixing aids, such as funnels, enable better control, regulation and optimization of flow speeds, mixing and/or turbulent mixing intensities and combinations and complex mixing and/or turbulent mixing processes. The invention is suitable for efficient mixing and/or turbulent mixing of liquids and/or mixtures of liquids and solids and/or vapors and/or gases. Many applications are conceivable, e.g. in water treatment, the food and beverages industry, medicine, pharmaceuticals, biology, physics and chemistry.

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