

Title (en)

EXPANDING DEVICE FOR COMBINING A LIQUID SPECIES AND A PARTICULATE SOLID SPECIES

Title (de)

EXPANSIONSVORRICHTUNG ZUM KOMBINIEREN EINER FLÜSSIGEN SPEZIES UND EINER TEILCHENFÖRMIGEN FESTEN SPEZIES

Title (fr)

DISPOSITIF DE MISE EN CONTACT D'UNE ESPÈCE LIQUIDE ET D'UNE ESPÈCE SOLIDE PARTICULAIRE EN CROISSANCE

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Application

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Abstract (en)

[origin: WO2012107704A1] The invention relates to an expanding device for combining a liquid species and a particulate solid species, which includes a vessel 200 in which a stirrer 800 having paddles that rotate about a shaft 810 is arranged, the stirrer being optionally provided with a flow guide tube 210, wherein the vessel 200 also includes a static obstacle 830 that is generally centred around said shaft and aligned with the stirrer, characterised in that the static obstacle 830 has, in a plane passing through the shaft, an outer transverse dimension that increases as it moves away from the stirrer 800 parallel to said shaft 810, having a constant or increasing slope relative to said shaft.

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