

Title (en)

RESONATOR FOR THE DISTRIBUTION AND PARTIAL TRANSFORMATION OF LONGITUDINAL VIBRATIONS AND METHOD FOR TREATING AT LEAST ONE FLUID BY MEANS OF A RESONATOR ACCORDING TO THE INVENTION

Title (de)

RESONATOR ZUR VERTEILUNG UND TEILWEISEN TRANSFORMATION LONGITUDINALER SCHWINGUNGEN UND VERFAHREN ZUR BEHANDLUNG WENIGSTENS EINES FLUIDES MITTELS EINES ERFINDUNGSGEMÄSSEN RESONATORS

Title (fr)

RÉSONATEUR POUR RÉPARTIR ET TRANSFORMER PARTIELLEMENT DES VIBRATIONS LONGITUDINALES ET PROCÉDÉ POUR TRAITER AU MOINS UN FLUIDE AU MOYEN D'UN RÉSONATEUR SELON L'INVENTION

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Abstract (en)

[origin: WO2012156475A2] The invention relates to a resonator for the distribution and partial transformation of longitudinal vibrations and to a method for treating at least one fluid by means of a resonator according to the invention. The resonator is designed for the distribution of longitudinal vibrations and the partial transformation thereof into longitudinal vibrations that are superimposed by vibrations oriented towards the centre of gravity or approximately towards the centre of gravity of a cross-sectional surface of at least one opening of the resonator. The resonator comprises a natural number of parallel elements of at least $\lambda/2$ or a natural multiple thereof, at least one of the $\lambda/2$ elements comprising at least one opening suitable for transmitting the transformed vibrations to a fluid located inside the opening.

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