Title (en)
APPARATUS AND METHOD FOR THE UNIFORM DISTRIBUTION OF MICROPARTICLES IN A LIQUID

Title (de)
VORRICHTUNG UND VERFAHREN ZUR GLEICHMÄSSIGEN VERTEILUNG VON MIKROPARTIKELN IN EINER FLÜSSIGKEIT

Title (fr)
DISPOSITIF ET PROCÉDÉ ASSURANT UNE DISTRIBUTION UNIFORME DE MICROPARTICULES DANS UN LIQUIDE

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Abstract (en)
[origin: WO2009043813A1] The invention relates to an apparatus for the uniform distribution of microparticles in a liquid, comprising a storage chamber (1) with a suspension of microparticles and liquid, a mixing head (2) for the reception of the suspension and a pump (3) which is connected to the storage chamber (1) and the mixing head (2) for the suctioning of the suspension from the storage chamber (1) into the mixing head (2), wherein the mixing head (2) has at least one cavity (4) with a turbulent flow mixer (5) and an overflow (6) which is connected to the storage chamber by means of an opening (7), which is characterized in that the storage chamber (1) has a pin (14) and/or a rotary inlet (15) and a rotary runback (16), which are connected to the pump (3). The apparatus can be used for identifying, characterizing and cleansing proteins. The subject matter of the invention is also a method for the uniform distribution of microparticles in a liquid, in which a turbulent, quasi-static state is produced.

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