

Title (en)
APPARATUS AND SYSTEM FOR CATALYZING NANOBUBBLES IN WATER

Title (de)
VORRICHTUNG UND SYSTEM ZUR KATALYSIERUNG VON NANOBLASEN IN WASSER

Title (fr)
APPAREIL ET SYSTÈME DE CATALYSE DE NANOBULLES DANS L'EAU

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Application
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Abstract (en)
[origin: WO2024074755A1] An apparatus (100, 816) of catalysing nanobubbles that are produced in water by a nanobubble generator (102, 808), the apparatus comprising: a hollow tubular body (104, 204, 304, 406, 414, 504, 604, 824, 910) having a first end (106, 506, 606, 822, 908) and a second end (108, 502, 602, 826); and at least one riffle (110) inside the hollow tubular body, wherein, when the apparatus is in use, the first end is fluidically coupled to an output (112) of the nanobubble generator and the second end is fluidically coupled to an input (114) of a piping system (116), and wherein when the water including the nanobubbles flows from the nanobubble generator towards the piping system through the apparatus, the at least one riffle breaks the nanobubbles into smaller-sized nanobubbles and promote circulation of the smaller-sized nanobubbles.

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