

Title (en)
INTERNAL VESSEL CLEANER

Title (de)
BEHÄLTER-INNENREINIGER

Title (fr)
DISPOSITIF POUR LE NETTOYAGE INTÉRIEUR DE RÉCIPIENTS

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Application
EP 11767722 A 20111012

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Abstract (en)
[origin: WO2012062520A2] The invention relates to an apparatus (BIR1; BIR2) for cleaning inner surfaces of vessels, in particular barrels or tanks, by means of a fluid which comes into contact, in the form of at least one fluid jet, with the inner surfaces. The apparatus contains a pressure line (6, 8, 9, 10, 12, 4), which extends from a fluid inlet (FE) of the apparatus, through the apparatus, to a nozzle region (2) of the apparatus, and a suction line (1a, 14b, 14a, 5), which extends from a suction region (1) of the apparatus, through the apparatus, to a fluid outlet (FA) of the apparatus. The fluid outlet is arranged outside the vessel which is to be cleaned. The nozzle region (2) and the suction region (1) of the apparatus are arranged in the interior of the vessel which is to be cleaned. According to the invention, a fluid source which provides for fluid pressure and fluid throughput can be connected to the fluid inlet (FE), wherein, during cleaning operation of the apparatus with the fluid source connected, both the flow energy of a fluid jet exiting from a nozzle hole and the suction energy at a suction hole are supplied by the fluid source connected to the fluid inlet. The nozzle region (2) is formed by a spray head or nozzle head (2a) having at least one nozzle hole, this head being mounted in a rotatable manner in the first pressure line (6, 8, 9, 10, 12, 4) and being driven in rotation by the potential and/or kinetic energy of the fluid coming from the connectable fluid source.

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