

Title (en)
DEVICE FOR HYDRODYNAMIC CLEANING OF SURFACES AND VARIANTS

Title (de)
VORRICHTUNG ZUM HYDRODYNAMISCHEN REINIGEN VON OBERFLÄCHEN UND VARIANTEN

Title (fr)
DISPOSITIF DE NETTOYAGE HYDRODYNAMIQUE DE SURFACES ET VARIANTES

Publication
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Application
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Abstract (en)
The invention relates to the technology of hydrodynamic cleaning of surfaces of various facilities, enabling the service performance of the cleaning device to be improved. The inventive device comprises a body, a collector, a stator, a rotor comprised of radial piping and high pressure-flow generators. The body has the shape of a profiled disk and is partially filled with a mobile ballast. A platform with supports is mounted on the stator. The profiled rotor vanes create an underpressure below the body of the device. The limiting tilt angles between the flow generator nozzles and the surface to be treated are set by mathematical computation. An apparatus is used to modify the direction of movement of the entire cleaning device. Another embodiment of the invention is characterized in that the steering angle of the axis of generator jets is greater than zero degrees on a horizontal plane with respect to the axis of radial piping, in the direction of rotation of the rotor. The rotor is rotated by ejection jets, whereby said ejection jets are mounted on the radial piping of the collector rotor, at a right angle with respect to the axis thereof. <IMAGE>

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