

Title (en)

DEVICE FOR THE DETECTION OF CONCRETIONS AND CAVITATION BUBBLES

Title (de)

VORRICHTUNG ZUR DETEKTION VON KONKREMENTEN UND KAVITATIONSBLASEN

Title (fr)

DISPOSITIF PERMETTANT DE DETECTER DES CONCRETIONS ET DES BULLES DE CAVITATION

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Application

EP 96927032 A 19960717

Priority

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Abstract (en)

[origin: WO9703610A1] The invention concerns a device designed to detect concretions and/or cavitation bubbles which occur when, in particular, solid bodies are detached or disintegrated by the use of high-power ultrasonic radiation. The device includes a high-power ultrasound generator and a preferably ultrasonic imaging system. The aim of the invention is to further develop such a device so that it gives an improved image of concretions and/or cavitation bubbles. The invention proposes that an additional ultrasonic system with a Doppler converter (2) is provided, the Doppler converter being fitted in the region of the transmitter head (16) of the ultrasound generator system and/or the imaging system. The Doppler converter (2) is preferably disposed in a ring round the transmitter head (16).

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