

Title (en)

ULTRASONIC VIBRATION TRANSDUCER FOR ULTRASONIC DRILLING

Title (de)

ULTRASCHALL-SCHWINGUNGSWANDLER ZUM ULTRASCHALLBOHREN

Title (fr)

CONVERTISSEUR D'OSCILLATIONS A ULTRASONS POUR LE PERCAGE AUX ULTRASONS

Publication

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Application

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Abstract (en)

[origin: WO2008037348A1] The invention relates to an ultrasonic vibration transducer (1) for ultrasonic drilling in construction material such as concrete, stone, brick or plaster. The invention proposes designing the ultrasonic vibration transducer (1) as a tubular hollow body which tapers towards its front end (2) and providing it with an interchangeable core (14). The hollow shape makes it possible to achieve a high level of vibration amplification, and the interchangeable core (14) enables the ultrasonic vibration transducer (1) to be adapted to different tools (13).

IPC 8 full level

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CPC (source: EP US)

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