

Title (en)

Damping body for ultrasonic pulse transducers.

Title (de)

Dämpfkörper für Ultraschall-Impulssonden.

Title (fr)

Dispositif d'atténuation pour transducteurs d'impulsions ultrasonores.

Publication

**EP 0307799 A2 19890322 (DE)**

Application

**EP 88114685 A 19880908**

Priority

CS 664887 A 19870914

Abstract (en)

The piezoceramic transducer (5) is bonded to one end of a cylinder (1) of metal with low intrinsic attenuation of ultrasonic waves, matched to the acoustic impedance of the transducer (5) itself. The two skew slots (2a, 2b) are inclined oppositely at up to 40 deg. to the longitudinal axis (4) of the cylinder (1), on which the baselines (6a,6b) of the semicircular slots intersect at their midpoints. ultrasonic waves from the inward face of the transducer (5) are reflected from the slot faces towards the periphery of the cylinder and dissipated in repeated reflections between surfaces.

Abstract (de)

Zylinderförmiger Dämpfkörper für Ultraschall-Impulssonden in welchem wenigstens zwei gegeneinander windschief liegende mit der Längsachse 4 des Zylinders 1 einen Winkel bis 45° einschließende Schlitz 2a, 2b ausgeführt sind, welche vom Umfangsmantel des Zylinders ausgeführt sind.

IPC 1-7

**G10K 11/16**

IPC 8 full level

**G10K 11/00** (2006.01)

CPC (source: EP)

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