

Title (en)

FLEXTENSOR ACOUSTIC TRANSDUCER FOR DEEP IMMERSION

Title (de)

FLEXTENSIONELLER AKUSTISCHER WANDLER FÜR TIEFE UNTERTAUCHUNG

Title (fr)

TRANSDUCTEUR ACOUSTIQUE FLEXTENSEUR POUR IMMERSION PROFONDE

Publication

EP 0568592 B1 19960814 (FR)

Application

EP 92903815 A 19920114

Priority

- FR 9200025 W 19920114
- FR 9100860 A 19910125

Abstract (en)

[origin: WO9213338A1] The invention relates to acoustic transducers of the flextensor type wherein a body having an oblong cross-section is acted upon by a motor along the long axis of such cross-section. The invention aims at using visco-elastic means (104) to absorb slow deformations of the case (401) under the immersion effect. These visco-elastic means present an important stiffness to frequencies of utilisation of the transducers so as to efficiently transmit the vibrations from the motor to the case. The invention allows to produce a flextensor transducer which may withstand an important immersion without breaking the motor and whose efficiency is higher than 75 %.

IPC 1-7

G10K 9/12

IPC 8 full level

G10K 9/12 (2006.01)

CPC (source: EP US)

G10K 9/121 (2013.01 - EP US)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9213338 A1 19920806; CA 2101053 A1 19920726; CA 2101053 C 20020402; DE 69212806 D1 19960919; DE 69212806 T2 19970220; EP 0568592 A1 19931110; EP 0568592 B1 19960814; FR 2672179 A1 19920731; FR 2672179 B1 19930416; US 5431058 A 19950711

DOCDB simple family (application)

FR 9200025 W 19920114; CA 2101053 A 19920114; DE 69212806 T 19920114; EP 92903815 A 19920114; FR 9100860 A 19910125; US 9014293 A 19930726