Title (en)
DEVICE FORMING A SNORKEL MOUTHPIECE OR DIVING REGULATOR

Title (de)
MUNDSTÜCKVORRICHTUNG FÜR SCHNORCHEL ODER DRUCKREGELVENTIL

Title (fr)
DISPOSITIF FORMANT EMBOUT POUR TUBA OU DETENDEUR DE PLONGEE

Publication
EP 1257462 A1 20021120 (FR)

Application
EP 01904028 A 20010201

Priority
• FR 0100311 W 20010201
• FR 0002187 A 20000222

Abstract (en)
[origin: WO0162588A1] The invention concerns a device forming a snorkel mouthpiece or diving regulator, adapted to be engaged in a diver's or swimmer's mouth and comprising a body (20) provided with an air intake and extended by two lateral branches (21) each provided with a bite wing tab (22), and at least a transducer buzzer arranged in one of the branches (21) and comprising a piezoelectric membrane (3, 4). The invention is characterised in that each transducer vibrator comprises a peripheral weight (6) secured on the periphery of the piezoelectric membrane (3, 4) and means (5, 6) transmitting, towards the diver's or swimmer's teeth, vibrations of said membrane. Moreover, each transducer vibrator is arranged in the branch (21) such that the piezoelectric membrane (3, 4) is totally isolated from outside atmosphere, and the transmission means (5, 30) form a contact interface with the teeth at the bite wing tab (22).

IPC 1-7
B63C 11/26

IPC 8 full level
B63C 11/14 (2006.01); **B63C 11/16** (2006.01); **B63C 11/22** (2006.01); **B63C 11/26** (2006.01)

CPC (source: EP US)
B63C 11/26 (2013.01 - EP US)

Citation (search report)
See references of WO 0162588A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0162588 A1 20010830; AU 3195701 A 20010903; EP 1257462 A1 20021120; FR 2805243 A1 20010824; FR 2805243 B1 20020726; JP 2004514579 A 20040520; US 2003151979 A1 20030814; US 6735149 B2 20040511

DOCDB simple family (application)
FR 0100311 W 20010201; AU 3195701 A 20010201; EP 01904028 A 20010201; FR 0002187 A 20000222; JP 2001561613 A 20010201; US 20396002 A 20021127