

Title (en)
Underwater antenna

Title (de)
Unterwasserantenne

Title (fr)
Antenne sous-marine

Publication
EP 1253666 A3 20080618 (DE)

Application
EP 02001535 A 20020123

Priority
DE 10119867 A 20010424

Abstract (en)
[origin: EP1253666A2] An underwater aerial comprising a housing (10) containing an integral transducer unit (13) made of numerous electro-acoustic transducers (131), and transducer operating components (17). The latter are fixed in place by holders (15), and are located in a receiving area (16) filled with a filler material whose acoustic impedance is close to that of water. The filler material is polyurethane.

IPC 8 full level
H01Q 1/04 (2006.01); **G10K 11/00** (2006.01)

CPC (source: EP)
G10K 11/006 (2013.01); **H01Q 1/04** (2013.01)

Citation (search report)

- [XY] EP 0944127 A2 19990922 - STN ATLAS ELEKTRONIK GMBH [DE]
- [X] DE 19518461 C1 19960613 - STN ATLAS ELEKTRONIK GMBH [DE]
- [Y] DE 3739185 A1 19890601 - KRUPP ATLAS ELEKTRONIK GMBH [DE]
- [A] EP 0274685 A2 19880720 - KRUPP ATLAS ELEKTRONIK GMBH [DE]
- [A] GB 2146295 A 19850417 - KRUPP GMBH
- [A] US 5353263 A 19941004 - PAKKER ULRICH [US], et al
- [A] US 4907208 A 19900306 - LOWRANCE DARRELL J [US], et al

Cited by
US7542378B2

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

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
EP 1253666 A2 20021030; EP 1253666 A3 20080618; EP 1253666 B1 20120307; AT E548780 T1 20120315; AU 3558102 A 20021212; AU 783946 B2 20060105; DE 10119867 A1 20021031; DE 10119867 B4 20051013

DOCDB simple family (application)
EP 02001535 A 20020123; AT 02001535 T 20020123; AU 3558102 A 20020422; DE 10119867 A 20010424