

Title (en)

COLLAPSIBLE ANNULAR ACOUSTIC TRANSMISSION ANTENNA

Title (de)

DEMONTIERBARE RINGFÖRMIGE AKUSTISCHE SENDEANTENNE

Title (fr)

ANTENNE D'EMISSION ACOUSTIQUE ANNULAIRE DEMONTABLE

Publication

**EP 1062055 A1 20001227 (FR)**

Application

**EP 99907670 A 19990309**

Priority

- FR 9900523 W 19990309
- FR 9802912 A 19980310

Abstract (en)

[origin: FR2776161A1] The assembly has ring stacks piezoelectric elements segments formed with inner fixing sections or outer constraining hoops. The construction does not need a common construction structure to hold the transducers which would otherwise add weight.

IPC 1-7

**B06B 1/06**

IPC 8 full level

**B06B 1/06** (2006.01); **G01S 7/521** (2006.01)

CPC (source: EP US)

**B06B 1/0633** (2013.01 - EP US)

Designated contracting state (EPC)

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**FR 2776161 A1 19990917; FR 2776161 B1 20000526;** AU 2732399 A 19990927; AU 747667 B2 20020516; DE 69917235 D1 20040617; DE 69917235 T2 20050504; EP 1062055 A1 20001227; EP 1062055 B1 20040512; JP 2002505953 A 20020226; JP 4031198 B2 20080109; US 6345014 B1 20020205; WO 9946059 A1 19990916

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