

Title (en)
ULTRASONIC WAVE ENERGY ELECTRONIC B-SCAN IMAGING APPARATUS.

Title (de)
ELEKTRONISCHER B-SCANNER ZUR ERZEUGUNG VON BILDERN DURCH ULTRASCHALLWELLEN.

Title (fr)
APPAREIL DE MISE EN IMAGE A BALAYAGE-B ELECTRONIQUE PAR ONDES ULTRA-SONORES.

Publication
EP 0007308 A1 19800123 (EN)

Application
EP 79900065 A 19790703

Priority
• GB 5168477 A 19771212
• GB 5168677 A 19771212
• US 96489978 A 19781205

Abstract (en)
[origin: WO7900372A1] A transducer (102) comprising a longitudinal bar of piezoelectric material (200) having one longitudinal face substantially covered with a first electrode (202) and the opposite longitudinal face in contact with a predetermined plural number of separate electrodes (204-1, 204-2, ... 204-n) spaced along the length thereof, permits all detected echoes to be processed by a single low input impedance amplifier (206) permanently coupled to the first electrode.

Abstract (fr)
Un transducteur (102) comprenant une barre longitudinale en materiau piezoelectrique (200) ayant une face longitudinale substantiellement recouverte par une premiere electrode (202) et la face longitudinale opposee en contact avec une pluralite predeterminee d'electrodes separees (204-1, 204-2 ... 204-n) espacees sur sa longueur, permet a tous les echos detectes d'etre traites par un seul amplificateur a faible impendance d'entree (206) couple en permanence a la premiere electrode.

IPC 1-7
G01N 29/00

IPC 8 full level
H04N 5/30 (2006.01); **A61B 8/00** (2006.01); **B06B 1/06** (2006.01); **G01N 29/06** (2006.01); **G01S 7/52** (2006.01); **G01S 15/89** (2006.01); **G10K 11/00** (2006.01); **G10K 11/34** (2006.01); **H04R 17/00** (2006.01)

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