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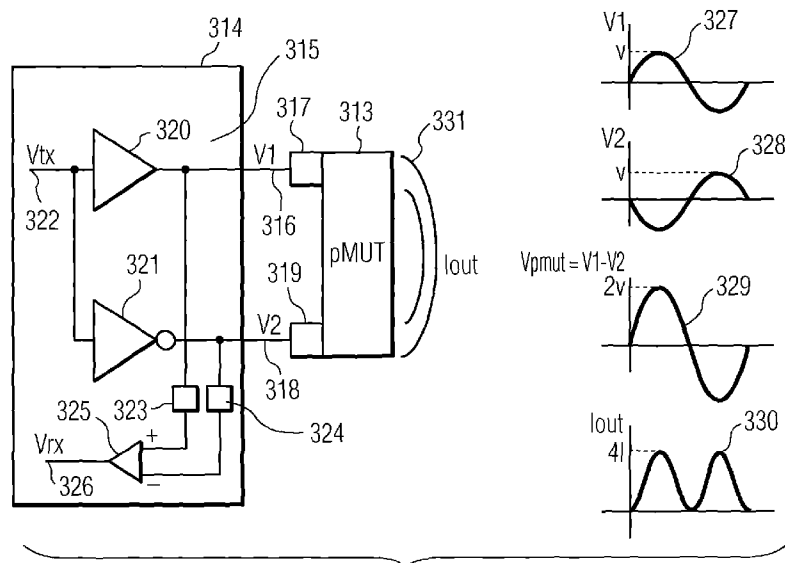
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: ULTRASOUND TRANSDUCER ARRAYS



(57) Abstract: An ultrasonic transducer element (104,313), comprising: an active layer (201) having a first side and a second side; a first electrode (204, 317) connected to the first side and a second electrode (205, 319) connected to the first side; and a circuit (315) having a first output (316) connected to the first electrode and a second output (318) connected to the second electrode, wherein the first output provides a first voltage to the first electrode, the second output provides a second voltage to the second electrode and the circuit provides a voltage to the active layer that is equal to approximately a difference between the first voltage and the second voltage.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 61 110051 A (HITACHI LTD; HITACHI MEDICAL CORP) 28 May 1986 (1986-05-28) abstract; figure 1	1-4, 7-11, 14-18,20
X	GB 2 091 495 A (SINGER CO) 28 July 1982 (1982-07-28) page 1, line 11 - line 25 page 1, line 95 - line 119 page 2, line 38 - line 88; figure 4 page 3, line 3 - line 22	1-4,7
Y	US 6 784 600 B2 (KLEE MAREIKE KATHARINE [DE] ET AL) 31 August 2004 (2004-08-31) cited in the application column 4, line 63 - column 7, line 16; figures 2,3 column 8, line 61 - line 63	1-4, 7-12, 14-20
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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