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(71) Applicant: **Seiko Instruments Inc.**
Chiba-shi, Chiba (JP)

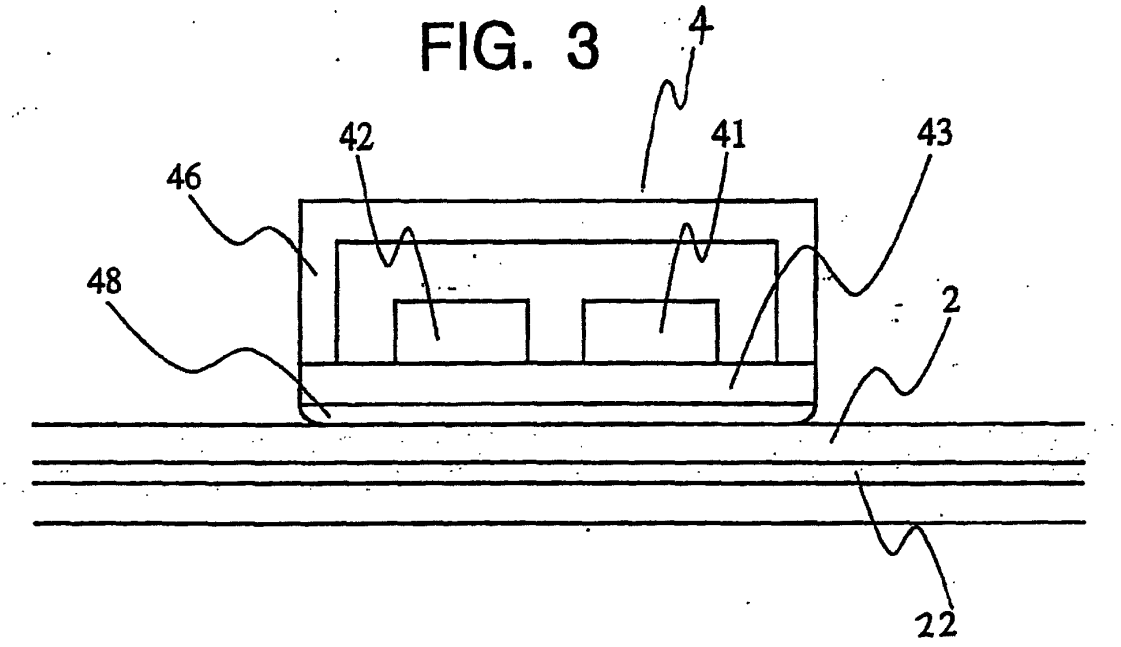
(72) Inventors:
- **Nakamura, Takahiko, c/o Seiko Instruments Inc.**
  Chiba-shi, Chiba (JP)
- **Shinogi, Masataka, c/o Seiko Instruments Inc.**
  Chiba-shi, Chiba (JP)
- **Tsubata, Keisuke, c/o Seiko Instruments Inc.**
  Chiba-shi, Chiba (JP)

(74) Representative: **Kenyon, Sarah Elizabeth et al**
Miller Sturt Kenyon,
9 John Street
London WC1N 2ES (GB)

(54) Ultrasonic diagnosis device

(57) To provide an ultrasonic diagnosis device which can be simply manufactured and can detect an ultrasonic wave with excellent sensitivity and accuracy. An ultrasonic diagnosis device in which a transmitting piezoelectric element (41) and a receiving piezoelectric element (42) are supported on a substrate (43) supported parallel to a radial artery (22) by support means such that their widths a, c are respectively 0.38 - 1.1mm and a gap b between them is 0.05 - 4.0mm, an ultrasonic wave is transmitted from the transmitting piezoelectric element, a reflected wave from the radial artery is received by the receiving piezoelectric element, and a pulse wave is detected on the basis of a detection result of the reflected wave.

FIG. 3



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	15 October 2003	Brison, O

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 02 25 0389

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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[标]申请(专利权)人(译)	精工电子有限公司		
申请(专利权)人(译)	精工电子有限公司.		
当前申请(专利权)人(译)	精工电子有限公司.		
[标]发明人	NAKAMURA TAKAHIKO C O SEIKO INSTR INC TSUBATA KEISUKE C O SEIKO INSTR INC		
发明人	NAKAMURA, TAKAHIKO, C/O SEIKO INSTRUMENTS INC. SHINOGI, MASATAKA, C/O SEIKO INSTRUMENTS INC. TSUBATA, KEISUKE, C/O SEIKO INSTRUMENTS INC.		
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优先权	2001012878 2001-01-22 JP		
其他公开文献	EP1224910A2		
外部链接	Espacenet		

摘要(译)

本发明提供一种超声波诊断装置，其能够简单地制造，能够以优异的灵敏度和精度检测超声波。一种超声波诊断装置，其中发射压电元件（41）和接收压电元件（42）通过支撑装置支撑在平行于桡动脉（22）支撑的基板（43）上，使得它们的宽度a，c分别为0.38-1.1mm，它们之间的间隙b为0.05-4.0mm，超声波从发射压电元件传输，来自桡动脉的反射波被接收压电元件接收，并且在其上检测到脉冲波。反射波检测结果的基础。