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[54] **BI-DIGITAL O-RING TEST FOR IMAGING AND DIAGNOSIS OF INTERNAL ORGANS OF A PATIENT**

[76] **Inventor:** Yoshiaki Omura, 800 Riverside Dr., Apt. 8-1, New York, N.Y. 10032

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Related U.S. Application Data

[63] Continuation of Ser. No. 113,394, Oct. 22, 1987, abandoned, which is a continuation of Ser. No. 785,495, Oct. 8, 1985, abandoned.

[51] **Int. Cl.⁵** A61B 5/00

[52] **U.S. Cl.** 128/630

[58] **Field of Search** 128/630, 653, 665

References Cited

U.S. PATENT DOCUMENTS

4,467,812	8/1984	Stoller	128/665
4,552,151	11/1985	Bolomen et al.	128/653
4,554,925	11/1985	Young	128/653
4,572,198	2/1986	Codrington	128/653
4,583,867	4/1986	Chive et al.	128/653

Primary Examiner—Francis Jaworski
Attorney, Agent, or Firm—Kane, Dalsimer, Sullivan, Kurucz, Levy, Eisele & Richard

[57] ABSTRACT

A method of imaging an internal organ of a patient for purposes of medical diagnosis, where a patient forms an O-ring shape with one of hands by placing the fingertips of his thumb and one of his remaining fingers together and a sample of tissue of an internal organ is placed on the patient's other hand, and the patient's internal organ is non-invasively externally probed with a probing instrument. The internal organ is the same type of organ as that of the sample. Simultaneously a tester attempts to pull apart the O-ring shape by means of the tester placing his thumb and one of the remaining fingers of each of his hands within the O-ring shape of the patient to form interlocking O-rings and pulling the thumb and the finger of the patient apart due to an electromagnetic field of the tissue of the sample interacting with an electromagnetic field of the internal organ being probed and this interaction is detected by the ability to pull apart the O-ring shape thereby permitting imaging of the boundaries of the internal organ being probed.

15 Claims, 11 Drawing Sheets

