

Title (en)
DEVICE FOR THE ULTRASONIC INVESTIGATION AND REPRESENTATION OF AN OBJECT

Publication
EP 0000067 B1 19810225 (DE)

Application
EP 78100125 A 19780612

Priority
US 80600477 A 19770613

Abstract (en)
[origin: EP0000067A1] 1. Method for the ultrasonic investigation and representation of an object on an image display device (11), in which by means of an ultrasonic transmitter/receiver system (80, 130) and a displaceable scanning mirror (70) the object is scanned in a pulsed manner in a section plane by an ultrasonic beam, the ultrasonic pulses corresponding to a section plane, which form approximately equidistant rays in the object, being triggered at a timing different from the line scan timing of the image display device (11), characterised in that the echo signals received per section plane are read line-wise into a storage system (200), and read out from the storage system (200) with a line frequency suited to the line scan frequency of the image display device (11) and are used for brightness control of the image points of the image display device (11).

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A61B 10/00; **G10K 11/00**

IPC 8 full level
A61B 8/00 (2006.01); **A61B 8/08** (2006.01); **A61B 8/14** (2006.01); **G10K 11/20** (2006.01)

CPC (source: EP)
A61B 8/08 (2013.01); **G10K 11/20** (2013.01)

Citation (examination)
• DE 2628261 A1 19770331 - TOKYO SHIBAURA ELECTRIC CO
• DE 2619684 A1 19761118 - HOFFMANN LA ROCHE
• US 4010466 A 19770301 - HOFSTEIN STEVEN R
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