(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 3 360 487 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.08.2018 Bulletin 2018/34

(43) Date of publication A2:
15.08.2018 Bulletin 2018/33

(21) Application number: **18150970.4**

(22) Date of filing: **10.01.2018**

(51) Int Cl.:
A61B 8/12 *(2006.01)* ***A61B 8/08*** *(2006.01)*
A61B 8/00 *(2006.01)* ***G01S 15/89*** *(2006.01)*

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
MA MD TN

(30) Priority: **20.01.2017 JP 2017008149**

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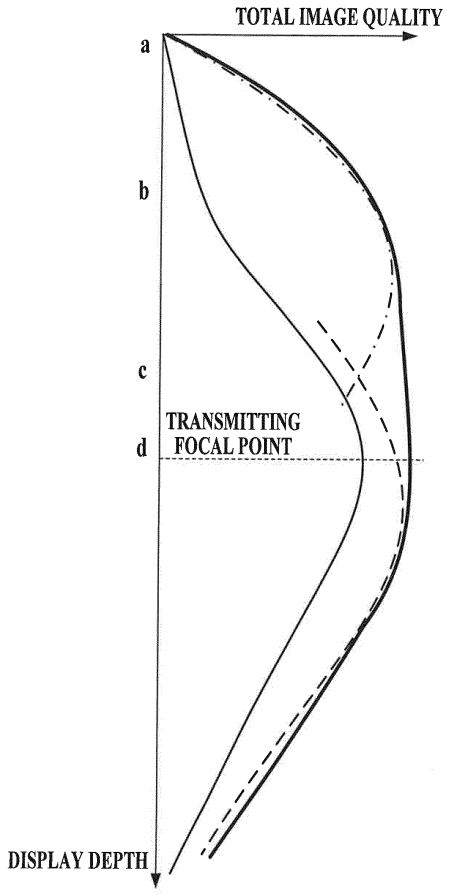
(54) ULTRASOUND DIAGNOSTIC APPARATUS

(57) An ultrasound diagnostic apparatus includes the following. An ultrasound probe includes a transmitting opening including a plurality of transducers, and the transmitting opening includes a plurality of transducer groups including at least a first transducer group and a second transducer group. A transmitter generates a plurality of driving signals with different driving waveforms including at least a first driving signal and a second driving signal, provides a time delay to the plurality of driving signals so that the transmitting ultrasound focuses to a same focal point, outputs the first driving signal to the first transducer group, outputs the second driving signal to the second transducer group, and outputs the plurality of driving signals to the plurality of transducer groups of the transmitting opening. A receiver receives the receiving signal from the ultrasound probe. An image generator generates the ultrasound image data from the receiving signal.

FIG.5



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EUROPEAN SEARCH REPORT

Application Number
EP 18 15 0970

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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
Munich	12 July 2018	Daoukou, Eleni

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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EPO FORM 1503 03.82 (P04C01)

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EUROPEAN SEARCH REPORT

Application Number
EP 18 15 0970

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TECHNICAL FIELDS SEARCHED (IPC)

The present search report has been drawn up for all claims

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Munich	12 July 2018	Daoukou, Eleni

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EPO FORM 1503 03.82 (P04C01)

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12-07-2018

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EPO FORM P0459

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

专利名称(译)	超声诊断仪		
公开(公告)号	EP3360487A3	公开(公告)日	2018-08-22
申请号	EP2018150970	申请日	2018-01-10
[标]申请(专利权)人(译)	柯尼卡株式会社		
申请(专利权)人(译)	柯尼卡美能达，INC.		
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发明人	TANIGUCHI, TETSUYA		
IPC分类号	A61B8/12 A61B8/08 A61B8/00 G01S15/89		
CPC分类号	A61B8/5207 A61B8/0866 A61B8/0883 A61B8/145 A61B8/4405 A61B8/4444 A61B8/4477 A61B8/4488 A61B8/48 A61B8/54 G01S7/5202 G01S7/52038 G01S15/8927 G01S15/8952 G01S15/8963		
优先权	2017008149 2017-01-20 JP		
其他公开文献	EP3360487A2		
外部链接	Espacenet		

摘要(译)

超声波诊断装置包括以下内容。超声探头包括具有多个换能器的发射开口，并且发射开口包括多个换能器组，所述换能器组包括至少第一换能器组和第二换能器组。发射器产生具有包括至少第一驱动信号和第二驱动信号的不同驱动波形的多个驱动信号，向多个驱动信号提供时间延迟，使得发射超声波聚焦到同一焦点，输出第一个驱动信号到第一换能器组，将第二驱动信号输出到第二换能器组，并将多个驱动信号输出到发送开口的多个换能器组。接收器接收来自超声探头的接收信号。图像生成器根据接收信号生成超声图像数据。