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(71) Applicant: **Aloka Co. Ltd.**
Mikata-shi, Tokyo (JP)

(72) Inventor: **Tamura, Tadashi**
North Haven, CT 06473 (US)

(74) Representative: **Finnie, Peter John**
Gill Jennings & Every LLP
Broadgate House
7 Eldon Street
London EC2M 7LH (GB)

(54) Methods and apparatus for ultrasound imaging

(57) Actual ultrasound attenuation in tissue is used to calculate gain compensation profiles which are used to create a uniform image. Axial, lateral, elevation gain profiles are used to correct the attenuation and ultrasound variation in each direction. In addition, automatic activation of the automatic gain compensation is described.

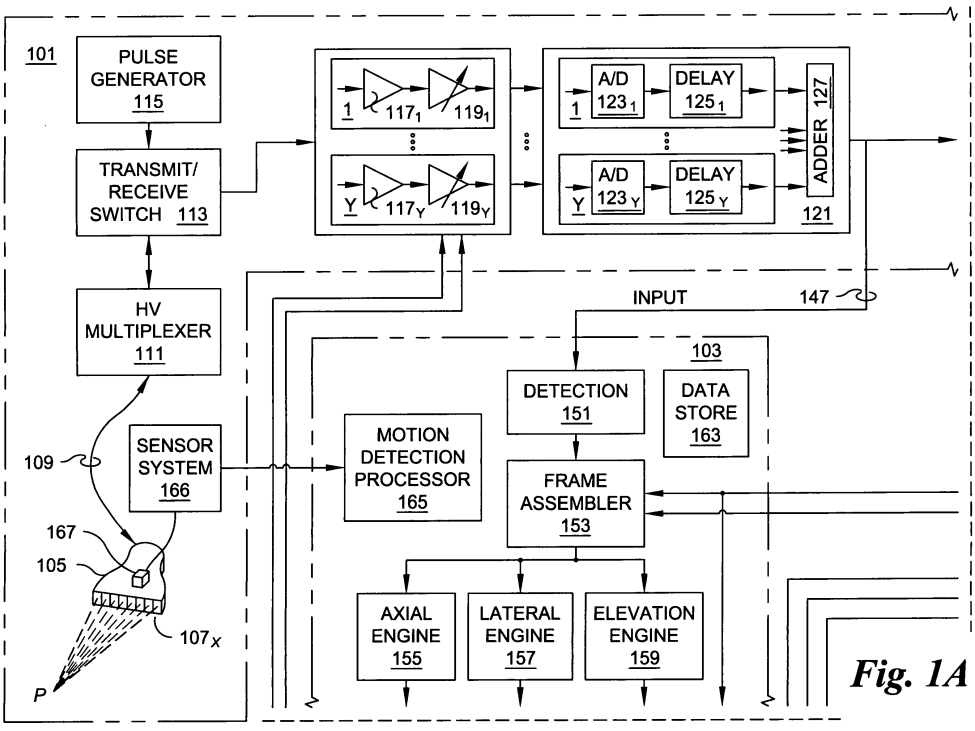

Fig. 1A

EP 2 048 511 A3

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EUROPEAN SEARCH REPORT

Application Number
EP 08 16 8093

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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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	29 October 2009	Zaneboni, Thomas

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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T : theory or principle underlying the invention
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D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)

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EUROPEAN SEARCH REPORT

Application Number
EP 08 16 8093

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS SEARCHED (IPC)

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	29 October 2009	Zaneboni, Thomas

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4

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 08 16 8093

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29-10-2009

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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)	用于超声成像的方法和设备		
公开(公告)号	EP2048511A3	公开(公告)日	2009-12-09
申请号	EP2008168093	申请日	2007-04-02
[标]申请(专利权)人(译)	日立阿洛卡医疗株式会社		
申请(专利权)人(译)	ALOKA CO.LTD.		
当前申请(专利权)人(译)	日立ALOKA MEDICAL.，LTD.		
[标]发明人	TAMURA TADASHI		
发明人	TAMURA, TADASHI		
IPC分类号	A61B8/00		
CPC分类号	G01S7/52033 A61B8/4254 G01S7/52036 G01S15/8993		
代理机构(译)	范尼、PETER JOHN		
优先权	60/744020 2006-03-31 US 60/744019 2006-03-31 US		
其他公开文献	EP2048511B1 EP2048511A2		
外部链接	Espacenet		

摘要(译)

组织中的实际超声衰减用于计算用于产生均匀图像的增益补偿曲线。轴向，横向，仰角增益曲线用于校正每个方向的衰减和超声波变化。另外，描述了自动增益补偿的自动激活。

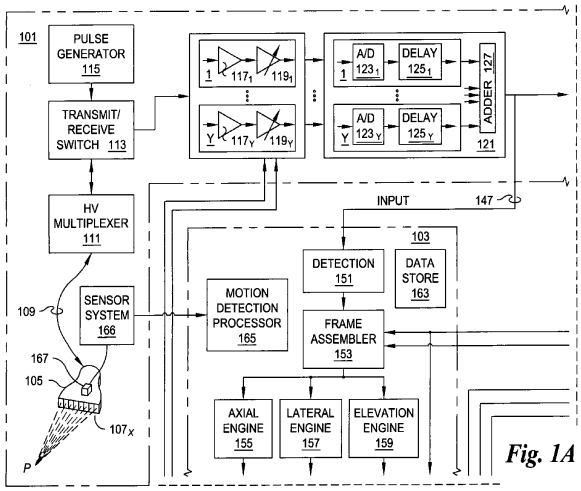

Fig. 1A