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(54) **AN ULTRASOUND SYSTEM WITH A TISSUE TYPE ANALYZER**

ULTRASCHALLSYSTEM MIT GEWEBEANALYSATOR

SYSTÈME À ULTRASONS AVEC ANALYSEUR TISSULAIRE

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(73) Proprietor: **Koninklijke Philips N.V.**
5656 AG Eindhoven (NL)

(72) Inventors:
• **PEKAR, Martin**
5656 AE Eindhoven (NL)

• **DITTMER, Wendy, Uyen**
5656 AE Eindhoven (NL)

(74) Representative: **Veligura, Alina Viktorivna**
Philips International B.V.
Intellectual Property & Standards
High Tech Campus 5
5656 AE Eindhoven (NL)

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[标]申请(专利权)人(译)	皇家飞利浦电子股份有限公司		
申请(专利权)人(译)	皇家飞利浦N.V.		
当前申请(专利权)人(译)	皇家飞利浦N.V.		
[标]发明人	PEKAR MARTIN DITTMER WENDY UYEN		
发明人	PEKAR, MARTIN DITTMER, WENDY, UYEN		
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摘要(译)

一种用于对包括感兴趣区域 (12) 的体积区域进行成像的超声系统 (100)，该超声系统包括：探针，该探针具有适于在该体积区域上发射超声波束并接收返回的回波信号的CMUT换能器 (14) 的阵列；波束形成器 (64)，其耦合到阵列并适于控制超声束传输并提供体积区域的超声图像数据；耦合到波束形成器并适于改变CMUT换能器的驱动脉冲特性的换能器控制器 (62)，感兴趣区域识别器 (72) 使得能够基于超声图像数据识别感兴趣区域；光束路径分析器 (70) 响应于ROI识别并且被布置为基于所接收信号的衰减的深度变化来检测探针和ROI之间的衰减组织类型；其中，换能器控制器还适于基于衰减组织类型检测来改变驱动脉冲特性的至少一个参数。