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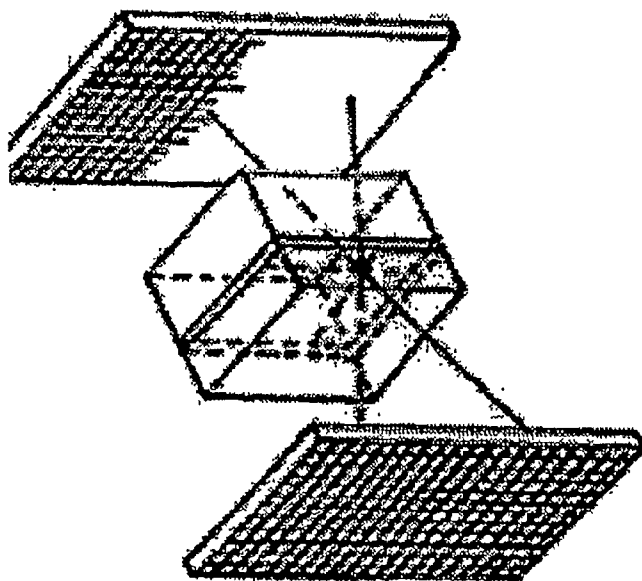
Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(i))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(ii))

[Continued on next page]

(54) **Title:** PHASED ARRAY ULTRASOUND WITH ELECTRONICALLY CONTROLLED FOCAL POINT FOR ASSESSING BONE QUALITY VIA ACOUSTIC TOPOLOGY AND WAVE TRANSMIT FUNCTIONS

(57) **Abstract:** A surface topology map technique and apparatus are disclosed for determining calcaneus thickness for imaging quantitative ultrasound measurements, improving measurement accuracy, particularly in in vivo applications



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A. CLASSIFICATION OF SUBJECT MATTER
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USPC: 600/437,444,447

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 600/437,444,447

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

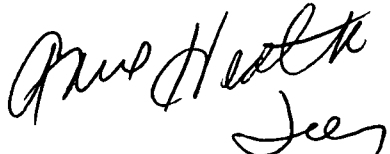
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,964,639 (SELA et al) 15 November 2005 (15.11.2005), column 3, lines 34-62.	1-15
X	US6,589,054 (TINGLEY et al) 8 July 2003 (08.07.2003), column 10, lines 39-62.	1-15

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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