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- **Haugen, Geir Ultveit**  
**0586 Oslo (NO)**
- **Linnerud, Per Arne**  
**3189 Horten (NO)**

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(74) Representative: **Goode, Ian Roy et al**  
**London Patent Operation**  
**General Electric International, Inc.**  
**15 John Adam Street**  
**London WC2N 6LU (GB)**

(71) Applicant: **GENERAL ELECTRIC COMPANY**  
**Schenectady, NY 12345 (US)**

(72) Inventors:  
• **Kristoffersen, Kjell**  
**0379 Oslo (NO)**

(54) **Ultrasound probe transceiver circuitry**

(57) Transceiver circuitry (700) for ultrasound transducer elements includes a transmit section (702) and a receive section (708). The transmit section (702) includes a transmit section input (704), a transmit section output (706), and receive signal blocking circuitry (718)

connected between the transmit section input (704) and the transmit section output (706). The receive section (708) includes a receive section input (712), a receive section output (710), and transmit signal blocking circuitry connected between the receive section input (712) and the receive section output (710).

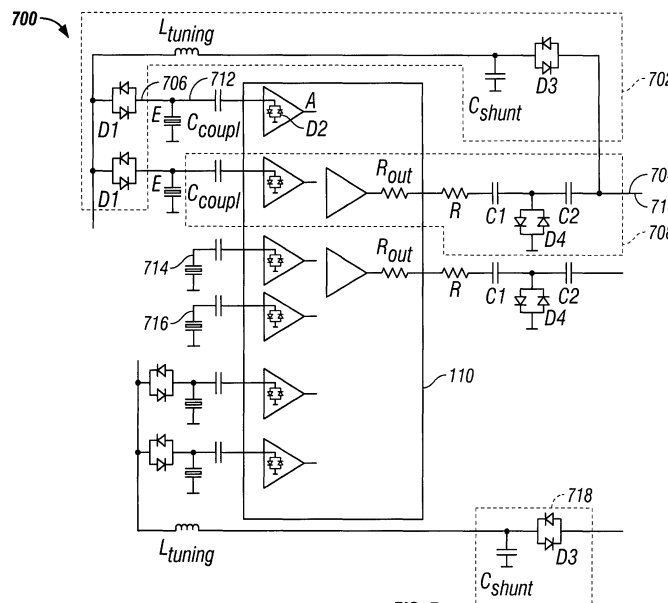


FIG. 7



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 540 677 B1 (ANGELSEN BJORN A. J ET AL) 1 April 2003 (2003-04-01) * abstract; figures 1a-1d,3a,3b * * column 1, lines 12-49 * * column 4, line 52 - column 6, line 41 * * column 9, line 28 - column 12, line 39 * -----	1-10	G01S7/52 G01S7/521 G10K11/34 B06B1/02
X	US 4 671 115 A (OGAWA ET AL) 9 June 1987 (1987-06-09) * abstract; figures 2,4 * * column 3, line 21 - column 5, line 51 * -----	1-10	
X	US 6 050 945 A (PETERSON ET AL) 18 April 2000 (2000-04-18) * abstract; figures 6,8-10 * * column 2, lines 27-38 * * column 6, line 25 - column 7, line 6 * * column 7, line 55 - column 8, line 22 * -----	1,2,4,5,8-10	
X	US 6 104 670 A (HOSSACK ET AL) 15 August 2000 (2000-08-15) * abstract; figures 18-25 * * column 13, line 57 - column 16, line 41 * -----	1,2,4-10	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01S G10K B06B
A	US 5 825 117 A (OSSMANN ET AL) 20 October 1998 (1998-10-20) * the whole document * -----	1-10	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 3 August 2005	Examiner Reuss, T
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date 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)

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 04 25 7137

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-08-2005

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专利名称(译)	超声探头收发器电路		
公开(公告)号	<a href="#">EP1533626A3</a>	公开(公告)日	2005-09-28
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申请(专利权)人(译)	通用电气公司		
当前申请(专利权)人(译)	通用电气公司		
[标]发明人	KRISTOFFERSEN KJELL HAUGEN GEIR ULTVEIT LINNERUD PER ARNE		
发明人	KRISTOFFERSEN, KJELL HAUGEN, GEIR ULTVEIT LINNERUD, PER ARNE		
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CPC分类号	G01S7/52079 A61B8/4494 G01S7/5202 G01S15/8925		
优先权	10/719431 2003-11-21 US		
其他公开文献	EP1533626A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

用于超声换能器元件的收发器电路 (700) 包括发送部分 (702) 和接收部分 (708)。发送部分 (702) 包括发送部分输入 (704)，发送部分输出 (706) 和连接在发送部分输入 (704) 和发送部分输出 (706) 之间的接收信号阻塞电路 (718)。接收部分 (708) 包括接收部分输入 (712)，接收部分输出 (710)，以及连接在接收部分输入 (712) 和接收部分输出 (710) 之间的发送信号阻塞电路。

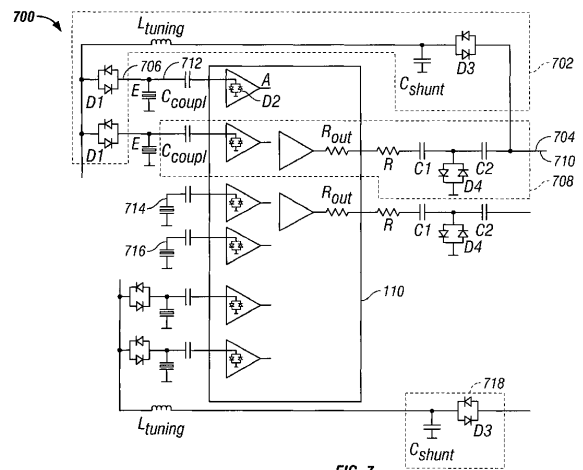


FIG. 7