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EUROPEAN SEARCH REPORT

Application Number
EP 04 25 0581

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)
D,Y	US 2002/165452 A1 (AMEMIYA SHINICHI) 7 November 2002 (2002-11-07) * abstract; figures 1-6 * * paragraphs [0001] - [0012] * * paragraphs [0029] - [0045] * -----	1-6	G01S7/52 G01S7/524 G01S7/521 B06B1/02
Y	US 2002/158299 A1 (CASTRO SIMAS MARIA INES ET AL) 31 October 2002 (2002-10-31) * abstract; figures 22-27 * * paragraphs [0001], [0026], [0064] - [0069], [0137] - [0144] * -----	1-6	
A	IOFFE M: "THE INS AND OUTS OF CHARGE-PUMP-CONVERTER ICS" EDN ELECTRICAL DESIGN NEWS, ROGERS PUB. CO., ENGLEWOOD, COLO, US, vol. 44, no. 12, 10 June 1999 (1999-06-10), pages 135-136,138,14, XP000924470 ISSN: 0012-7515 * the whole document * -----	1-6	
A	US 6 310 789 B1 (NEBRIGIC DRAGAN DANILO ET AL) 30 October 2001 (2001-10-30) * abstract * * column 1, line 32 - column 2, line 54 * -----	1-6	B06B G01S H02M H03L
A	TAKAHASHI K ET AL: "COMPLEMENTARY CHARGE PUMP BOOSTER" ELECTRONICS & COMMUNICATIONS IN JAPAN, PART II - ELECTRONICS, SCRIPTA TECHNICA. NEW YORK, US, vol. 82, no. 6, June 1999 (1999-06), pages 73-80, XP000912358 ISSN: 8756-663X * the whole document * -----	1-6	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 July 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			

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EPO FORM 1503 03/82 (P04C01)

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

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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
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22-07-2005

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专利名称(译)	超声诊断设备的电源		
公开(公告)号	EP1445624A3	公开(公告)日	2005-09-14
申请号	EP2004250581	申请日	2004-02-04
申请(专利权)人(译)	GE医疗系统的全球技术公司LLC		
当前申请(专利权)人(译)	GE医疗系统的全球技术公司LLC		
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IPC分类号	A61B8/00 B06B1/02 G01S7/524 G01S7/52 G01S7/521		
CPC分类号	B06B1/0215 A61B8/44 B06B2201/76 G01S7/52019		
优先权	2003029405 2003-02-06 JP		
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摘要(译)

为了减小超声波诊断装置中的电源的尺寸和功耗，电荷泵电路（50和60）连接到发射器电源（14）。发射器电源（14）中的调节器驱动电荷泵电路（50）以产生高于由发射器电源（14）产生的正电压+HV1的正偏置电压+HV2。发射器电源（14）中的调节器还驱动电荷泵电路（60）以产生低于由发射器电源（14）产生的负电压-HV1的负偏置电压-HV2。

FIG. 3

