

Title (en)  
PORTABLE ULTRASOUND IMAGING SYSTEM

Title (de)  
TRAGBARES ULTRASCHALL- BILDERZEUGUNGSSYSTEM

Title (fr)  
SYSTEME D'IMAGERIE ULTRASONIQUE PORTATIF

Publication  
**EP 0835458 A2 19980415 (EN)**

Application  
**EP 96922638 A 19960628**

Priority  

- US 9611166 W 19960628
- US 49680495 A 19950629
- US 49680595 A 19950629
- US 59981696 A 19960212

Abstract (en)  
[origin: WO9701768A2] A portable ultrasound imaging system (10) includes a scan head (12) coupled by a cable (16) to a portable battery-powered data processor (14) and display unit. The scan head enclosure (12) houses an array of ultrasonic transducers and the circuitry associated therewith, including pulse synchronizer circuitry used in the transmit mode for transmission of ultrasonic pulses and beam forming circuitry used in the receive mode to dynamically focus reflected ultrasonic signals returning from the region of interest being imaged.

IPC 1-7  
**G01S 15/89**; **G01S 7/52**

IPC 8 full level  
**A61B 8/00** (2006.01); **G01S 7/00** (2006.01); **G01S 7/52** (2006.01); **G01S 7/523** (2006.01); **G01S 15/89** (2006.01); **A61B 7/04** (2006.01); **A61B 8/12** (2006.01)

CPC (source: EP)  
**A61B 8/4236** (2013.01); **A61B 8/463** (2013.01); **A61B 8/546** (2013.01); **A61B 8/56** (2013.01); **G01S 7/003** (2013.01); **G01S 7/52053** (2013.01); **G01S 7/52063** (2013.01); **G01S 7/52073** (2013.01); **G01S 7/5208** (2013.01); **G01S 15/8915** (2013.01); **G01S 15/8934** (2013.01); **G01S 15/8979** (2013.01); **A61B 7/04** (2013.01); **A61B 8/00** (2013.01); **A61B 8/12** (2013.01); **A61B 8/4209** (2013.01); **A61B 8/4455** (2013.01); **A61B 8/4472** (2013.01); **A61B 8/4488** (2013.01); **A61B 2560/045** (2013.01); **G01S 7/52025** (2013.01); **G01S 7/52026** (2013.01); **G01S 7/52046** (2013.01); **G01S 15/899** (2013.01)

Citation (search report)  
See references of WO 9701768A2

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9701768 A2 19970116**; **WO 9701768 A3 19970130**; AU 6344696 A 19970130; AU 700274 B2 19981224; CA 2225622 A1 19970116; EP 0835458 A2 19980415; JP 2007325937 A 20071220; JP H11508461 A 19990727; TW 381226 B 20000201

DOCDB simple family (application)  
**US 9611166 W 19960628**; AU 6344696 A 19960628; CA 2225622 A 19960628; EP 96922638 A 19960628; JP 2007179417 A 20070709; JP 50461197 A 19960628; TW 85108024 A 19960702