

Title (en)  
ULTRASOUND BUBBLE RECOGNITION IMAGING

Title (de)  
ULTRASCHALLDARSTELLUNG UNTER VERWENDUNG VON MIKROBLÄSCHENERKENNUNG

Title (fr)  
IMAGERIE DE RECONNAISSANCE DE BULLES PAR ULTRASON

Publication  
**EP 1019093 A1 20000719 (EN)**

Application  
**EP 98946815 A 19980917**

Priority  
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• US 7138998 P 19980115

Abstract (en)  
[origin: WO9917808A1] In a method of identifying gaseous bubbles in a liquid, an ultrasound contrast agent is introduced into the liquid so as to form gaseous bubbles in the liquid. A first ultrasound pulse centered at a first frequency is directed onto the bubbles so as to cause the bubbles to undergo a first oscillating size change and produce a first oscillating echo signal corresponding thereto. The first oscillating echo signal produced by the bubbles is detected, and the bubbles are identified based upon the detected first echo signal.

IPC 1-7  
**A61K 49/00**; **G01S 15/89**; **G01S 7/52**

IPC 8 full level  
**A61K 49/00** (2006.01); **A61B 8/00** (2006.01); **G01S 7/52** (2006.01); **G01S 7/524** (2006.01); **G01S 15/89** (2006.01); **A61B 8/06** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 9917808A1

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