

Title (en)

ULTRASONIC SENSOR MICROARRAY AND ITS METHOD OF MANUFACTURE

Title (de)

ULTRASCHALLSENSOR-MIKROARRAY UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

CAPTEUR MICRO-RÉSEAU ULTRASONIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2972112 A1 20160120 (EN)

Application

EP 14763159 A 20140312

Priority

- US 201313804279 A 20130314
- CA 2013000937 W 20131101
- CA 2014000217 W 20140312

Abstract (en)

[origin: CN105264338A] A sensor assembly includes one or more capacitive micromachined ultrasonic transducer (CMUT) microarray modules which are provided with a number of individual transducers. The microarray modules are arranged to simulate or orient individual transducers in a hyperbolic paraboloid geometry. The transducers/sensor are arranged in a rectangular or square matrix and are activatable individually, selectively or collectively to emit and received reflected beam signals at a frequency of between about 100 to 170 kHz.

IPC 8 full level

G01D 5/48 (2006.01); **G01S 7/52** (2006.01); **G01S 15/93** (2006.01)

CPC (source: EP US)

B06B 1/0292 (2013.01 - EP US)

Citation (search report)

See references of WO 2014138889A1

Cited by

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Designated contracting state (EPC)

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BA ME

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