

Title (en)
ULTRA-SOUND AREA SURVEILLANCE SYSTEM

Title (de)
ULTRASCHALL-BEREICHSÜBERWACHUNGSANLAGE

Title (fr)
SYSTEME ULTRASONORE DE SURVEILLANCE DE ZONE

Publication
EP 0834085 A1 19980408 (DE)

Application
EP 97919366 A 19970416

Priority
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• EP 9701894 W 19970416

Abstract (en)
[origin: DE19615548A1] An ultra-sound area surveillance system has several ultrasonic transducer units all of which directionally radiate a field of ultrasonic waves and receive reflected ultrasonic waves. An evaluation device (1) evaluates the reflected ultrasonic waves received by the ultrasonic transducer units to detect objects located within a predeterminable surveillance area. The ultrasonic transducer units (W1 to W12) are closely spaced apart so that their directions of radiation fan out. The transducer units may for example be arranged in a semicircle in two superimposed planes. The invention is for example useful to monitor the surroundings of vehicles or stationary machines for any approaching objects.

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G01S 15/93; G08B 13/16; G05D 1/03; G08B 21/00; B06B 1/06; G10K 11/00

IPC 8 full level
G01S 7/521 (2006.01); **G01S 15/87** (2006.01); **G01S 15/93** (2006.01); **G10K 11/34** (2006.01); **G01S 15/04** (2006.01); **G01S 15/931** (2020.01)

CPC (source: EP KR US)
G01S 7/521 (2013.01 - EP US); **G01S 15/87** (2013.01 - EP US); **G01S 15/93** (2013.01 - KR); **G10K 11/34** (2013.01 - EP US); **G01S 15/04** (2013.01 - EP US); **G01S 15/931** (2013.01 - EP US); **G01S 2015/939** (2013.01 - EP US)

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