

Title (en)
DOPPLER RADAR WARNING SYSTEM

Title (de)
DOPPLER RADARWARNUNGSSYSTEM

Title (fr)
SYSTEME D'ALERTE PAR RADAR DOPPLER

Publication
EP 0975991 A4 20030212 (EN)

Application
EP 98920848 A 19980414

Priority
• US 9807710 W 19980414
• US 4351897 P 19970414

Abstract (en)
[origin: WO9847022A1] A Doppler radar warning system (30) adapted for use as an automotive safety system including Doppler radar transceiver (31), a digital signal processor (55) for receiving the Doppler radar signals, resolving the signals into a phase difference and determining the distance between a target (42) and the receiving antenna (44), as well as the relative speed of the target (42), and displaying the distance and rate of speed information on a visual (64) and/or audio display (66), including its application in an integrated vehicle and/or building safety warning system including a camera and Doppler radar unit to provide sensing in a surveillance zone of three-dimensional features of objects located in the zone, range information regarding objects located in the surveillance zone, and rate of speed of motion of objects within the surveillance zone.

IPC 1-7
G01S 13/93

IPC 8 full level
B60Q 1/48 (2006.01); **G01S 13/50** (2006.01); **G01S 13/93** (2006.01); **G01S 13/931** (2020.01); **G01S 7/03** (2006.01); **G01S 7/35** (2006.01); **G01S 13/32** (2006.01); **G01S 13/58** (2006.01); **G01S 13/86** (2006.01); **G01S 13/87** (2006.01); **G01S 15/93** (2006.01); **G01S 15/931** (2020.01)

CPC (source: EP KR)
B60Q 9/005 (2013.01 - EP); **B60Q 9/007** (2013.01 - EP); **G01S 13/93** (2013.01 - KR); **G01S 13/931** (2013.01 - EP); **G01S 7/032** (2013.01 - EP); **G01S 7/35** (2013.01 - EP); **G01S 13/32** (2013.01 - EP); **G01S 13/584** (2013.01 - EP); **G01S 13/86** (2013.01 - EP); **G01S 13/867** (2013.01 - EP); **G01S 13/87** (2013.01 - EP); **G01S 15/931** (2013.01 - EP); **G01S 2013/9314** (2013.01 - EP); **G01S 2013/9315** (2020.01 - EP); **G01S 2013/9316** (2020.01 - EP); **G01S 2013/9317** (2013.01 - EP); **G01S 2013/9323** (2020.01 - EP); **G01S 2013/9324** (2020.01 - EP); **G01S 2013/93271** (2020.01 - EP); **G01S 2013/93272** (2020.01 - EP); **G01S 2013/93274** (2020.01 - EP); **G01S 2013/93275** (2020.01 - EP); **G01S 2015/936** (2013.01 - EP)

Citation (search report)
• [XA] EP 0367404 A2 19900509 - DELCO ELECTRONICS CORP [US]
• [A] US 4203113 A 19800513 - BAGHDADY ELIE J [US]
• See references of WO 9847022A1

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

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WO 9847022 A1 19981022; AU 7359498 A 19981111; CN 1239551 A 19991222; EP 0975991 A1 20000202; EP 0975991 A4 20030212; JP 2002512689 A 20020423; KR 19990082502 A 19991125; TW 373153 B 19991101

DOCDB simple family (application)
US 9807710 W 19980414; AU 7359498 A 19980414; CN 98801338 A 19980414; EP 98920848 A 19980414; JP 54430498 A 19980414; KR 19980706235 A 19980812; TW 87107873 A 19980519