

Title (en)
DEVICE FOR ALERTING ON THE APPROACHING OF EMERGENCY VEHICLES

Title (de)
VORRICHTUNG ZUR ALARMIERUNG BEI SICH NÄHERNDEN NOTFALLFAHRZEUGEN

Title (fr)
DISPOSITIF POUR ALERTER SUR LE RAPPROCHEMENT DE VÉHICULES D'URGENCE

Publication
EP 3128497 A1 20170208 (EN)

Application
EP 16182452 A 20160802

Priority
IT UB20152855 A 20150804

Abstract (en)
A device for alerting on the approaching of emergency vehicles (4, 5), characterized in that it comprises: - means for detecting (8) acoustic signals (10) generated by an emergency vehicle and present outside and/or inside the vehicle (6), wherein said device (2) is intended to be installed, said detection means (8) comprise an omnidirectional acoustic sensor associated with means (40) for automatically adjusting the amplitude of the acoustic signals detected, - a processing and analysis unit (12) configured to identify if there are acoustic signals (14) with characteristics similar to those of the acoustic signals emitted by said emergency vehicles (4, 5) among the acoustic signals (10) which were detected by said detection means (8) and which were adjusted in amplitude by said automatic adjustment means (40). - signaling means (20) provided inside said vehicle (6) and which can be activated by said processing and analysis unit (12) upon the identification of said acoustic signals (14) emitted by said emergency vehicle (4, 5), among said acoustic signals detected (10), so as to alert the driver of said vehicle (6) on the presence and/or approaching of said emergency vehicle (4, 5).

IPC 8 full level
G08G 1/0965 (2006.01); **G08G 1/0967** (2006.01)

CPC (source: EP)
G08G 1/0965 (2013.01); **G08G 1/096791** (2013.01)

Citation (applicant)
• DE 102010022165 A1 20110105 - DAIMLER AG [DE]
• US 2008150755 A1 20080626 - VAN ZANDT ALICE JANE [US], et al
• US 7061402 B1 20060613 - LAWSON ROBERT [US]
• EP 1953727 A1 20080806 - BUONAVOGLIA GIROLAMO [IT]

Citation (search report)
• [XYI] GB 2500569 A 20131002 - MAXWELL LEONARD [GB]
• [XA] US 2014071280 A1 20140313 - BAALU ARVIN [IN], et al
• [YA] DE 102010022165 A1 20110105 - DAIMLER AG [DE]
• [YA] US 2008150755 A1 20080626 - VAN ZANDT ALICE JANE [US], et al
• [YA] US 7061402 B1 20060613 - LAWSON ROBERT [US]
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CN109552328A; IT202100010811A1; US11768283B2; US11984026B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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