

Title (en)
APPARATUS AND METHOD FOR SOUND-BASED ENVIRONMENT DETECTION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR SCHALLBASIERTEN UMFELDDETEKTION

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DÉTECTION SONORE D'UN ENVIRONNEMENT

Publication
EP 3132282 A1 20170222 (DE)

Application
EP 15706729 A 20150216

Priority
• DE 102014207086 A 20140414
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Abstract (en)
[origin: WO2015158445A1] An apparatus and method for sound-based environment detection are proposed. The method comprises the following steps: isolation of a first signal element (sj (t)), which potentially comprises a useful signal, from a received signal (r (t)), isolation of a second signal element (si1 (t)), which is different from the first signal element and potentially comprises an interference signal, from the received signal (r (t)), subtraction of the second signal element (si1 (t)) from the first signal element (sj (t)), and comparison of the difference with a threshold value. This results in the rating of a received signal for whether its quality is suitable for evaluating environment information.

IPC 8 full level
G01S 7/527 (2006.01); **G01S 15/931** (2020.01)

CPC (source: CN EP)
G01S 7/52001 (2013.01 - CN); **G01S 7/527** (2013.01 - CN EP); **G01S 15/931** (2013.01 - CN EP); **G01S 7/52001** (2013.01 - EP)

Citation (search report)
See references of WO 2015158445A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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