

Title (en)  
ROBUST ADAPTIVE NOISE CANCELLING SYSTEMS AND METHODS

Title (de)  
ROBUSTE ADAPTIVE RAUSCHUNTERDRÜCKUNGSSYSTEME UND VERFAHREN

Title (fr)  
SYSTÈMES ET PROCÉDÉS ROBUSTES D'ÉLIMINATION ADAPTATIVE DU BRUIT

Publication  
**EP 3899926 A4 20220824 (EN)**

Application  
**EP 19900182 A 20191219**

Priority

- US 201862782299 P 20181219
- US 201862782305 P 20181219
- US 201862782312 P 20181219
- US 2019067644 W 20191219

Abstract (en)  
[origin: WO2020132347A1] Adaptive noise cancellation systems and methods comprise a reference sensor operable to sense environmental noise and generate a corresponding reference signal, an error sensor operable to sense noise in a noise cancellation zone and generate a corresponding error signal, a noise cancellation filter operable to receive the reference signal and generate an anti-noise signal to cancel the environmental noise in the cancellation zone, an adaptation module operable to receive the reference signal and the error signal and adaptively adjust the anti-noise signal, and a transient activity detection module operable to receive the reference signal, detect a transient noise event and selectively disable the adaptation module during the detected transient noise event.

IPC 8 full level  
**G10K 11/178** (2006.01); **H04R 1/10** (2006.01)

CPC (source: EP KR)  
**G10K 11/17823** (2018.01 - EP KR); **G10K 11/17835** (2018.01 - EP); **G10K 11/17853** (2018.01 - KR); **G10K 11/17881** (2018.01 - EP); **H04R 1/1083** (2013.01 - EP); **G10K 2210/1081** (2013.01 - EP KR); **G10K 2210/3026** (2013.01 - KR); **G10K 2210/3028** (2013.01 - KR); **G10K 2210/3035** (2013.01 - KR); **G10K 2210/3045** (2013.01 - EP); **G10K 2210/3056** (2013.01 - EP); **G10K 2210/504** (2013.01 - EP); **H04R 2460/01** (2013.01 - EP)

Citation (search report)

- [XY] US 2014072134 A1 20140313 - PO BRUCE C [US], et al
- [XYI] US 2012316872 A1 20121213 - STOLTZ THOMAS [US], et al
- [Y] US 5307405 A 19940426 - SIH GILBERT C [US]
- [Y] US 9741334 B2 20170822 - PARK CHEOL YONG [KR], et al
- See also references of WO 2020132347A1

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

DOCDB simple family (publication)  
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