

Title (en)  
Method and system for active noise reduction

Title (de)  
Verfahren und System zur aktiven Lärmreduktion

Title (fr)  
Procédé et système de réduction de bruit active

Publication  
**EP 2378513 B1 20120620 (DE)**

Application  
**EP 11161701 A 20110408**

Priority  
DE 102010014226 A 20100408

Abstract (en)  
[origin: EP2378513A1] The method involves measuring a physical parameter with a reference sensor (2) dependent on time for the primary sound source (1), which characterizes the sound-generating motion of the emitting surface of the primary sound source. The corresponding time-dependent reference parameters (q-pq-t) are obtained, which comprise the phase information of the primary sound source. The secondary sound source (6) is controlled with a time-dependent driving signal. An independent claim is also included for an active noise reduction system for active noise reduction of a sound field generated by a swinging emitting surface of a primary sound source.

IPC 8 full level  
**G10K 11/178** (2006.01)

CPC (source: EP US)  
**G10K 11/17823** (2017.12 - EP US); **G10K 11/17833** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US)

Cited by  
CN113140209A; CN113099350A; EP3026664A1; CN110111765A; WO2020024334A1; WO2016083513A1

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

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