

Title (en)
Engine noise control apparatus.

Title (de)
Motorlärmmkontrollegerät.

Title (fr)
Dispositif pour contrôler de bruit d'un moteur.

Publication
EP 0625773 A3 19951018 (EN)

Application
EP 94107760 A 19940519

Priority
JP 14272893 A 19930521

Abstract (en)
[origin: EP0625773A2] An engine noise control apparatus which is capable of effectively reducing or waveform-resaping a wide range of engine noise. The apparatus has an engine rotating speed sensor (5) for detecting an engine rotating speed and a waveform generator circuit (46) for converting a rotation pulse signal to a periodic signal having a frequency which is a predetermined multiple of the detected engine rotating speed. The output of an air flow meter (3) is passed through a bandpass filter (41) and a rectifier circuit (42) to generate a control signal which is an average value of alternating current components of the output. A CPU (44), with reference to a map previously stored in a memory (45), modifies the phase and amplitude of the periodic signal with respect to an engine rotation reference signal based on the rotation pulse signal and the control signal, and outputs the modified signal as driving signals to operate speakers (6A, 6B) disposed in an intake tube and an exhaust tube for reducing noise. <IMAGE>

IPC 1-7
G10K 11/16

IPC 8 full level
F01N 1/06 (2006.01); **F02B 77/13** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)
F01N 1/065 (2013.01 - EP US); **G10K 11/17823** (2017.12 - EP US); **G10K 11/17853** (2017.12 - EP US); **G10K 11/17873** (2017.12 - EP US); **G10K 2210/107** (2013.01 - EP); **G10K 2210/112** (2013.01 - EP); **G10K 2210/1282** (2013.01 - EP); **G10K 2210/12822** (2013.01 - EP); **G10K 2210/3027** (2013.01 - EP); **G10K 2210/3032** (2013.01 - EP); **G10K 2210/3033** (2013.01 - EP); **G10K 2210/3039** (2013.01 - EP); **G10K 2210/3046** (2013.01 - EP); **G10K 2210/51** (2013.01 - EP)

Citation (search report)

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