

Title (en)

ELECTRONIC CANCELLATION OF D.C. MOTOR NOISE.

Title (de)

ELEKTRONISCHER UNTERDRÜCKUNG VON DC-MOTORLÄRM.

Title (fr)

SUPPRESSION ELECTRONIQUE DU BRUIT D'UN MOTEUR A COURANT CONTINU.

Publication

EP 0631685 A1 19950104 (EN)

Application

EP 92915176 A 19920319

Priority

US 9202073 W 19920319

Abstract (en)

[origin: WO9319458A1] An active attenuation system for a DC motor (11) which yields global vibration reduction of slot or other motor induced tonals at the plate on which the motor is mounted without modifying the construction of the motor. The system comprises one or more vibration sensors (13), a signal synchronized to the slot rate or other motor induced tonal rate, an electronic adaptive controller (12) and the means to inject the control signal into the motor field and/or armature current.

IPC 1-7

G10K 11/16; **H02K 5/24**

IPC 8 full level

B60L 9/02 (2006.01); **G10K 11/16** (2006.01); **G10K 11/178** (2006.01); **H02K 5/24** (2006.01); **H02K 11/00** (2006.01); **H02K 23/66** (2006.01); **H02P 7/298** (2006.01)

CPC (source: EP US)

G10H 1/00 (2013.01 - US); **H02K 5/24** (2013.01 - EP US); **H02K 11/20** (2016.01 - EP); **H02K 23/66** (2013.01 - EP); **H02P 7/298** (2013.01 - EP); **G10K 2210/10** (2013.01 - EP); **G10K 2210/121** (2013.01 - EP); **G10K 2210/123** (2013.01 - EP); **G10K 2210/3013** (2013.01 - EP); **G10K 2210/3045** (2013.01 - EP); **G10K 2210/3212** (2013.01 - EP); **G10K 2210/501** (2013.01 - EP)

Designated contracting state (EPC)

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