

Title (en)
DEVICE FOR AUTOMATICALLY TUNING A STRING OF A STRINGED INSTRUMENT

Title (de)
VORRICHTUNG ZUM AUTOMATISCHEN STIMMEN EINER SAITE EINES SAITENINSTRUMENTES

Title (fr)
DISPOSITIF POUR ACCORDER AUTOMATIQUEMENT UNE CORDE D'UN INSTRUMENT A CORDES

Publication
EP 1859434 B1 20111012 (DE)

Application
EP 05716157 A 20050317

Priority
EP 2005002852 W 20050317

Abstract (en)
[origin: WO2006097126A1] The invention relates to a device for tuning at least one string of a stringed instrument, said device comprising a detection unit for detecting a tone that is generated when the string is struck and for emitting a signal that corresponds to the detected tone, a memory unit for storing predefined signals that correspond to the desired tone, a comparison unit for comparing the signal that is emitted by the detection device with a signal that is stored in the memory unit and corresponds to the desired tone, an adjusting unit (10) for modifying the tension of at least one of the strings, at least one drive for driving the adjusting unit (10), a controller, which is connected to the comparison unit and which controls the drive or drives by means of a deviation that is determined in said unit between the signals that represent the generated tone and the desired tone, via a control line. According to the invention, a piezoelectric pick-up (16) that is located directly on the adjusting unit constitutes the detection device.

IPC 8 full level
G10D 3/14 (2006.01); **G10G 7/02** (2006.01)

CPC (source: EP US)
G10D 3/147 (2020.02 - EP US); **G10G 7/02** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006097126 A1 20060921; AT E528744 T1 20111015; CA 2602154 A1 20060921; EP 1859434 A1 20071128; EP 1859434 B1 20111012; JP 2008533534 A 20080821; JP 4654291 B2 20110316; US 2008276787 A1 20081113

DOCDB simple family (application)
EP 2005002852 W 20050317; AT 05716157 T 20050317; CA 2602154 A 20050317; EP 05716157 A 20050317; JP 2008501166 A 20050317; US 90858208 A 20080314