

Title (en)

Adjustment drive for adjusting the string tension of a stringed instrument

Title (de)

Verstellantrieb zum Verstellen der Saitenspannung eines Saiteninstrumentes

Title (fr)

Mécanisme de réglage de la tension des cordes d'un instrument à cordes

Publication

EP 2372690 B1 20121024 (DE)

Application

EP 10157642 A 20100324

Priority

EP 10157642 A 20100324

Abstract (en)

[origin: EP2372690A1] The drive (1) has an adjustment element e.g. hand drive shaft (24) wing (25) and crown wheel (26), coupled with force-transmitting elements for manual adjustment of a rotary position of a tuning peg (5). The force-transmitting element are designed as three-stage toothed wheels (11-23) and comprises a gear stage on which a drive motor (9) acts with an output shaft, and a last gear stage, which acts on the tuning peg in order to rotate the last gear stage. The adjustment element acts on other gear stages of the wheels between the former and the last gear stages for force guidance. An independent claim is also included for a device for automatically tuning a string of a stringed instrument, comprising a detection unit.

IPC 8 full level

G10D 3/14 (2006.01); **G10H 3/18** (2006.01)

CPC (source: EP KR US)

G10D 3/14 (2013.01 - KR); **G10D 3/147** (2020.02 - EP US); **G10H 1/44** (2013.01 - EP US); **G10H 3/18** (2013.01 - KR);
G10H 3/188 (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2372690 A1 20111005; EP 2372690 B1 20121024; CA 2794272 A1 20110929; CN 103026404 A 20130403; CN 103026404 B 20141022; ES 2400889 T3 20130415; JP 2013522686 A 20130613; JP 5760075 B2 20150805; KR 20130056859 A 20130530; PL 2372690 T3 20130830; PT 2372690 E 20130129; US 2013008298 A1 20130110; US 8772615 B2 20140708; WO 2011117368 A1 20110929

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