

Title (en)
Harp with tone adjustment mechanism.

Title (de)
Harfe mit Umstimmvorrichtung.

Title (fr)
Harpe comportant un mécanisme perfectionné de réglage des sons.

Publication
EP 0085266 A1 19830810 (FR)

Application
EP 82402163 A 19821126

Priority
FR 8201364 A 19820128

Abstract (en)
1. A harp of the type comprising a set of strings (1) stretched between an arm called a console (2) and a resonator forming a soundboard (3), which is connected at the level of the abutment of the harp, the vibrating length of which may be adjusted by means of pairs of superimposed forks (7, 8), which are designed to grip the strings and which are actuated by a mechanism which is accommodated in a pillar (6), and which is connected to pedals (9) arranged in the pedestal (5) of the harp, characterised in that the mechanism for actuating the forks (7, 8) comprises, for each of the seven degrees of the scale, a double-acting transmission device comprising a first traction cable (11), which is connected on the one hand to a series of first upper forks (7) effecting a gripping of the associated strings in order to obtain a natural tone, and on the other hand to a rocking control member, and comprising a second traction cable (14), which is connected on the one hand to a series of second lower forks (8) effecting a gripping of the associated strings in order to obtain a sharp tone, and on the other hand to a pedal (9), the said second cable (14) actuating the said-rocking control member, so as to convert the traction exerted on the said cable (14) into two successive angular movements of the upper and then the lower forks.

Abstract (fr)
Le problème technique posé consiste à réaliser pour une harpe un mécanisme perfectionné de réglage des sons délivrés par les cordes. Le mécanisme d'actionnement des fourchettes (7,8) se compose, pour chacun des sept degrés de la gamme, d'un dispositif de transmission à double action constitué d'au moins un câble de tracton dont un brin (11) est relié à une série de premières fourchettes supérieures (7) réalisant un pincement des cordes associées pour l'obtention du son bécarre, l'autre brin (14) étant relié à une série de secondes fourchettes inférieures (8) réalisant un pincement des cordes associées pour l'obtention du son dièse, ce câble étant lui-même relié à la pédale (9) par un organe de commande basculant divisant la traction exercée sur le câble en deux mouvements angulaires successifs des fourchettes supérieures et inférieures.

IPC 1-7
G10D 1/04

IPC 8 full level
G10D 3/14 (2006.01); **G10D 1/04** (2006.01)

CPC (source: EP)
G10D 1/04 (2013.01); **G10D 3/147** (2020.02)

Citation (search report)
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• [Y] DE 444941 C 19270601 - LEOPOLD MUSOLFF

Cited by
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Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0085266 A1 19830810; EP 0085266 B1 19860820; DE 3272768 D1 19860925; FR 2520537 A1 19830729; FR 2520537 B1 19850503; JP H0242236 B2 19900921; JP S58132278 A 19830806

DOCDB simple family (application)
EP 82402163 A 19821126; DE 3272768 T 19821126; FR 8201364 A 19820128; JP 1361583 A 19830127