

Title (en)

TUNE ADJUSTMENT MECHANISM FOR HARPS

Publication

EP 0566887 A3 19940810 (DE)

Application

EP 93104802 A 19930324

Priority

DE 4213234 A 19920422

Abstract (en)

[origin: EP0566887A2] In the neck of a symmetrically constructed harp, the strings arranged "centrally" in the middle of the neck are pressed, by means of slides with a cam, against a pin which is arranged precisely at the precalculated semitone distance. The vibrating length of the string is shortened, and the string sounds a semitone higher. As a result, the harp can be played in various keys - up to 8 keys - without retuning by means of the tuning pegs. <IMAGE>

IPC 1-7

G10D 3/14; G10D 1/04

IPC 8 full level

G10D 3/14 (2006.01)

CPC (source: EP)

G10D 3/147 (2020.02)

Citation (search report)

- [A] DE 3403747 A1 19850808 - BURGER HANS JOACHIM
- [AD] US 3739680 A 19730619 - CHRISTIANSEN H
- [AD] US 4744280 A 19880517 - GARRITANO RALPH F [US]

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Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 4213234 C1 19930506; EP 0566887 A2 19931027; EP 0566887 A3 19940810

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DE 4213234 A 19920422; EP 93104802 A 19930324