

Title (en)

Modification device for string instrument pickup

Title (de)

Modifikationsvorrichtung für Tonabnehmer eines Saiteninstruments

Title (fr)

Dispositif modificateur pour capteur d'instrument à cordes

Publication

EP 0480432 B1 19960925 (EN)

Application

EP 91117311 A 19911010

Priority

- US 59789990 A 19901010
- US 76434691 A 19910923

Abstract (en)

[origin: EP0480432A2] A device (20;40;50;70;100;220;220A-220D) that modifies the operating characteristics (e.g., amplitude, frequency response, "sustain") of the output signal of an electromagnetic pickup (21;51;91;221) for a stringed musical instrument, such as a guitar with steel strings (24;54;74; 94;224) ; the modification device (20;40;50;70;100) comprises a thin, flat permanent magnet (31;41;61;81;101;220;220A-220D), preferably a sheet of resin impregnated with particulate permanent magnet material, that is magnetized transversely to its thin dimension. The permanent magnet (31;41;61;81; 101;220;220A-220D) covers most or all of the top or bottom surface of the electromagnet pickup (21;51;91;221), usually the top. The signal modification device (20;40;50;70;100) may include one or more mounting elements (33;43;62-65;84,85, 90;104,105) for mounting the permanent magnet sheet on a pickup (21;51;91), if intended for addition to an existing pickup. In the simplest form the mounting element(s) may comprise a rim (33;43) on the permanent magnet or one or more steel plates (62-65;84,85,104,105) mounted on the magnet; the steel plate or plates further may modify the output signal of the pickup. For a signal modification device (220; 220A-220D) that is to be incorporated in a new pickup (221), no mounting elements may be required. <IMAGE>

IPC 1-7

G10H 3/18

IPC 8 full level

G10H 3/18 (2006.01)

CPC (source: EP)

G10H 3/181 (2013.01); **G10H 2220/515** (2013.01)

Cited by

GB2366442A; US5430246A; EP0606706A3; US5438157A; EP1277199A4

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0480432 A2 19920415; **EP 0480432 A3 19920603**; **EP 0480432 B1 19960925**; CA 2053118 A1 19920411; DE 69122344 D1 19961031; JP H0772870 A 19950317

DOCDB simple family (application)

EP 91117311 A 19911010; CA 2053118 A 19911009; DE 69122344 T 19911010; JP 26379291 A 19911011