

Title (en)

Modification device for string instrument pickup.

Title (de)

Wandelvorrichtung für das Mikrophon eines Saiteninstruments.

Title (fr)

Dispositif modificateur pour capteur d'instrument à cordes.

Publication

EP 0480432 A2 19920415 (EN)

Application

EP 91117311 A 19911010

Priority

- US 59789990 A 19901010
- US 76434691 A 19910923

Abstract (en)

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

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CPC (source: EP)

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GB2366442A; US5430246A; EP0606706A3; US5438157A; EP1277199A4

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