

Title (en)

PASSIVE POLYPHONIC DOUBLE-COIL MICROPHONE FOR A STRING MUSICAL INSTRUMENT

Title (de)

PASSIVES POLYPHONISCHES DOPPELSPULIGES MIKROFON FÜR SAITEN-MUSIKINSTRUMENT

Title (fr)

MICROPHONE POLYPHONIQUE PASSIF A DOUBLE BOBINAGE POUR INSTRUMENT DE MUSIQUE A CORDES

Publication

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Application

EP 12802892 A 20120619

Priority

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- FR 2012000248 W 20120619

Abstract (en)

[origin: WO2012175824A2] The invention relates to a passive polyphonic double-coil microphone (10) for a string musical instrument (13), including: a substrate (11); and a set of pairs of coils, wherein, for each pair of coils, the two coils are electrically mounted in series and magnetically coupled (LC) together. The microphone according to the invention is essentially characterized in that it further includes: a unit consisting of at least one internal dipole magnet (40), the poles of which are magnetically coupled to the respective core of a coil from a pair of coils; a set of magnetic shields that are rigidly connected to the substrate (11), wherein each coil is surrounded by a respective magnetic shield, and wherein, for each pair of coils, one of the coils is connected to the ground, and the other is provided to carry an output signal to an amplifier.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2012175824A2

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