

Title (en)

DIAGNOSTIC CIRCUIT FOR A TWEETER IN A LOUDSPEAKER COMBINATION

Title (de)

DIAGNOSESCHALTKEIS FÜR EINEN HOCHTON-LAUTSPRECHER EINER LAUTSPRECHERKOMBINATION

Title (fr)

CIRCUIT DE DIAGNOSTIC DESTINE A UN HAUTPARLEUR D'AIGUS D'UN ENSEMBLE DES HAUTPARLEURS

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Application

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Abstract (en)

[origin: WO03061333A2] The invention relates to a diagnostic circuit for a tweeter in a low-frequency final stage of a loudspeaker combination, in addition to a method for diagnosing the functional capability of the tweeter. In order to determine the functional capability of the tweeter in a relatively low-cost, reliable manner, a diagnostic circuit comprising the following is provided: a device that generates an HF signal (2) for emitting an HF voltage signal (s2), at least one connection (A1, A2) for a loudspeaker combination (4), a measuring resistance (R2), which forms a potentiometer circuit (R2, 4) with the loudspeaker combination (4) when the latter is connected to the connection (A1), in addition to a measuring device (10, 11, 12) for measuring a complex decreasing measurement voltage (UA1) in the potentiometer circuit (R2, 4) and for determining the condition of the tweeter (LS2) of the loudspeaker combination (4).

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