

Title (en)

Method and apparatus for processing an audio signal.

Title (de)

Verfahren und Vorrichtung zur Verarbeitung eines Audiosignals.

Title (fr)

Méthode et dispositif pour le traitement d'un signal audio.

Publication

EP 0505589 A1 19920930 (EN)

Application

EP 91104742 A 19910326

Priority

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Abstract (en)

The apparatus is designed for distorting, on selections operated by the musicians, an audio signal such as that generated by an electronic musical instrument, and permits such distortion to be achieved, particularly in an automatic mode, without any substantial change in the volume, base content or treble content of the audio output. The apparatus comprises means (18, 20, 22, 24) for distorting the audio signal by a controlled degree. The distortion causes variations in the volume of the output as the degree of distortion increases and also causes increases in the bass and treble content of the output with increasing distortion. The volume variation is compensated for by providing means for automatically maintaining the volume of the audio signal outputted from the distortion element substantially uniform regardless of the degree of distortion, the compensation occurring solely as a function of the selected degree of distortion. The circuit may comprise a compressor prior to distortion. Adjustable filtering may also be applied at the input to the distortion element. <IMAGE>

IPC 1-7

G10H 1/16; **G10H 3/18**

IPC 8 full level

G10H 1/16 (2006.01); **G10H 3/18** (2006.01)

CPC (source: EP)

G10H 1/16 (2013.01); **G10H 3/187** (2013.01)

Citation (search report)

- [A] EP 0111066 A2 19840620 - SCHOLZ DONALD THOMAS
- [A] EP 0295934 A2 19881221 - PEAHEY ELECTRONICS CORP [US]

Designated contracting state (EPC)

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