

Title (en)

Low frequency audio doubling and mixing circuit.

Title (de)

Schaltung zur Mischung und Verdoppelung von niedrigen Tondfrequenzen.

Title (fr)

Circuit pour mélanger et doubler les basses fréquences audio.

Publication

EP 0546619 A2 19930616 (EN)

Application

EP 92203748 A 19921203

Priority

US 80535691 A 19911209

Abstract (en)

A circuit for doubling and mixing low frequency audio signals includes an input for receiving an audio signal having a substantially wide frequency range, a circuit coupled to said input means for separating signal components in a low frequency band of the audio signal from the wide frequency range thereof, a frequency doubler coupled to the separating circuit for doubling the frequencies of the signal components in the low frequency band, and a mixer for mixing the frequency doubled signal components with the input audio signal, whereby the signal components in the low frequency band now also appear one octave higher.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

USRE38822E; EP0729287A3; US6111960A; EP0637189A3; US5500622A; US6134330A; EP1168296A3; US6332026B1; WO2005027568A1; WO9846044A1; WO9742789A1; WO0057673A1; WO9925151A1; WO9926454A1; WO9806239A1; US6792119B1; US7054455B2; US6756532B2; US7574009B2; US6285767B1; US6678380B2; WO03028405A1; WO0014998A1; US9236842B2; US9712916B2; US9866963B2; US10284955B2

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