

Title (en)

ACOUSTIC DEVICE FOR WARNING SOUND AND ACOUSTIC SYSTEM

Title (de)

AKUSTISCHE VORRICHTUNG FÜR WARNTON UND AKUSTISCHES SYSTEM

Title (fr)

DISPOSITIF ACOUSTIQUE D'AVERTISSEMENT SONORE ET SYSTÈME ACOUSTIQUE

Publication

EP 3415243 B1 20210721 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3415243A1] An acoustic device for warning sound and an acoustic system are provided which are configured to increase, also when a warning sound at a relatively low frequency is output, a sound pressure level of the warning sound. An acoustic device for warning sound includes a switching circuit and a resonance circuit. A relationship among a frequency f_n of an Nth harmonic, a fundamental frequency f_0 of a drive voltage V_2 , and an oscillation frequency f_1 is $f_n - 1/2f_0 \leq f_1 \leq f_n + 1/2f_0$, where the Nth harmonic is one harmonic of a plurality of harmonics of the drive voltage V_2 , a sound pressure level of an output sound from the piezoelectric buzzer at the Nth harmonic being higher than a sound pressure level of the output sound from the piezoelectric buzzer at the fundamental frequency f_0 .

IPC 8 full level

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CPC (source: EP)

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