TITLE
Audio tracking in noisy environments by acoustic map and spectral signature

INVENTORS
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DESCRIPTION
The invention allows to better solve the problem of localizing and tracking an audio source given a set of acoustic signals acquired by a microphone array. This task has gained increasing importance in the last years. Speaker tracking in teleconferencing, vehicle tracking in traffic monitoring systems, generic target localization and tracking in surveillance and military applications, can be cited among the applications in which the acoustic medium may play a fundamental role either complementing video devices or substituting them in cases in which a reliable visual counterpart is not available e.g. during nighttime, bad weather conditions, occluded views, crowded scenes or camouflage.

APPLICATIONS
Speaker tracking, vehicle tracking, target localization, surveillance

KEYWORDS
Tracking, Beamforming, Acoustic Map, Acoustic Camera, Spectral Signature

BIBLIOGRAPHIC DATA
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