

Abstract

INDOOR POSITIONING SYSTEM

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An indoor positioning system comprises at least an acoustic transmitter projecting an isotropic, omnidirectional encoded modulated signal and a receiver having a demodulator with a software application that computes a location with respect to the position of the acoustic transmitter based on the projected encoded modulated signal.

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The projected encoded modulated signal contains information relating to an indoor environment which is acquired by the receiver providing a display for the indication of the location of the receiver on a diagrammatic representation of the indoor environment.

[Fig. 2]