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Abstract

Weighting fitted method for direction estimation, and apparatus employing the method

A method of performing direction of arrival (DOA) estimation employs a
5 weighted fitting estimator in which components from respective samples are
weighted by respective derived weight values. The weight factors may simply
be the amplitudes themselves. Compared with the conventional fitting for
DOA estimation, embodiments of the present invention provide more efficient
use of sample data and higher estimation accuracy, without significantly
10 complicating the estimation algorithm compared to prior art techniques.

[Fig. 3]