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#### (54) RESPONSE-SELECT NULL STEERING **CIRCUIT**

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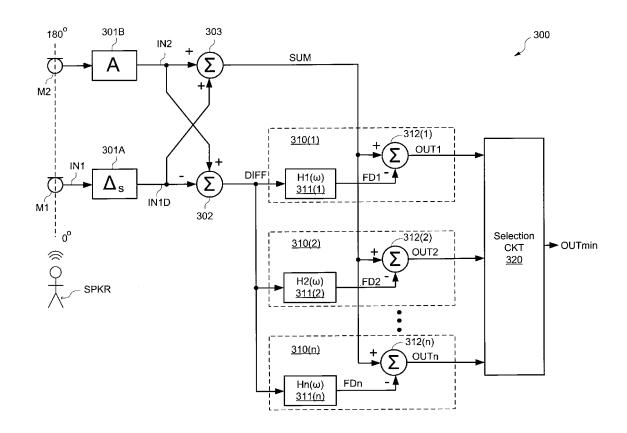
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#### (57)**ABSTRACT**

A response select null steering circuit includes a beamformer, a plurality of separate fixed filters, and a selection circuit. In response to sound signals emitted from a desired speaker and an unwanted interferer, a sum signal containing signal components of the speaker and interferer is generated, and the beamformer generates a difference signal that suppresses signal components of the speaker. Each filter provides a null in a unique direction relative to the desired speaker, and can be individually configured to suppress sound signals from an interferer in a particular direction. The selection circuit selects the filter output signal that has the least amount of signal energy as achieving the best suppression of the unwanted interferer.







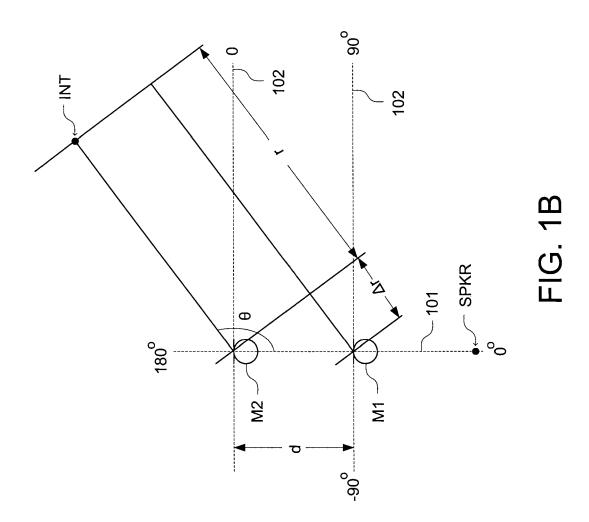


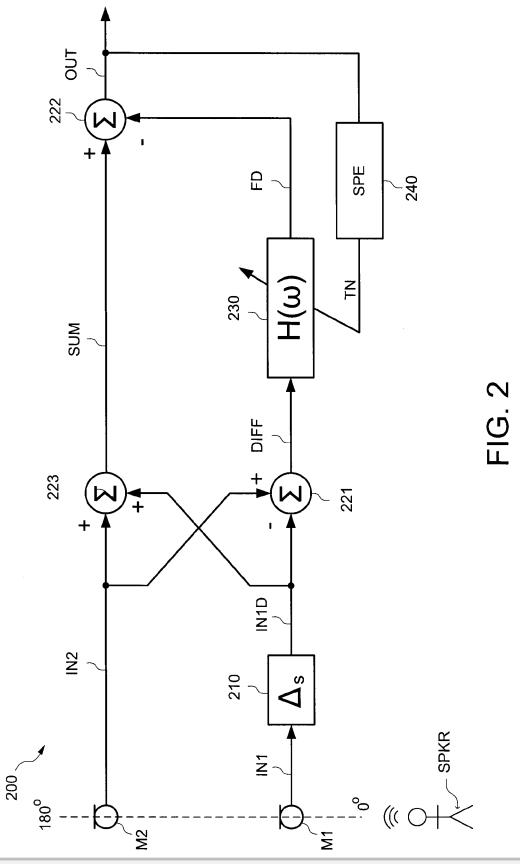
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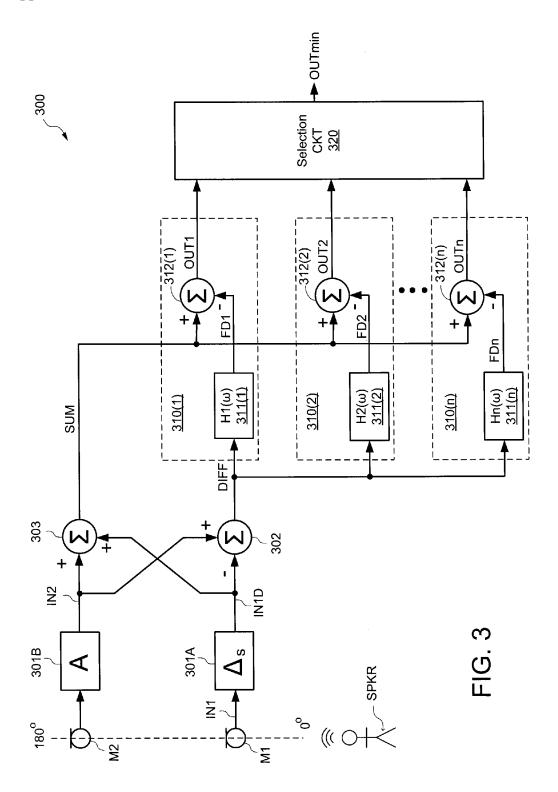


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