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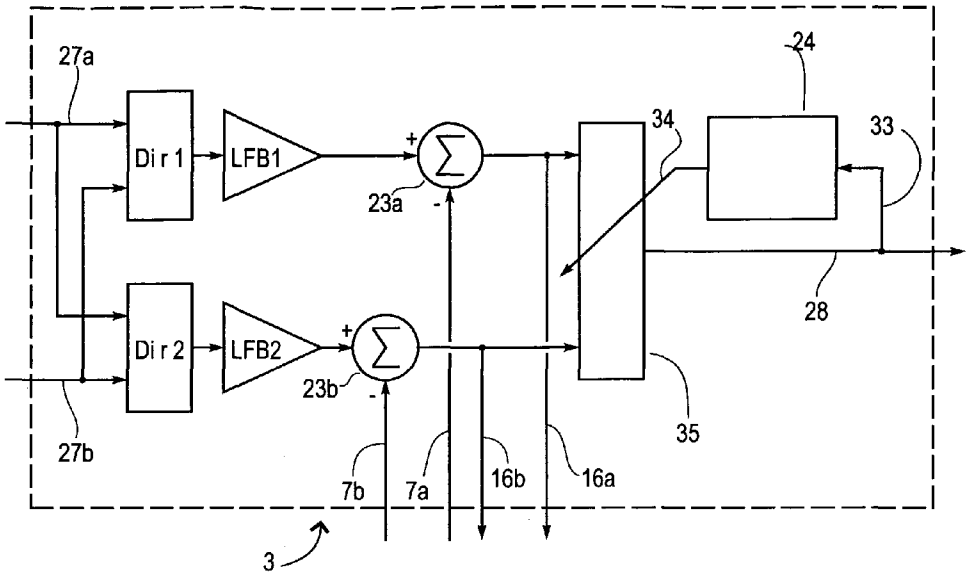
(54) **Title:** HEARING AID AND A METHOD OF PROCESSING INPUT SIGNALS IN A HEARING AID



(57) **Abstract:** A hearing aid comprises two microphones, directional processing means (Dir1, Dir2) for combining the respective audio signals to form a spatial signal, a beamformer (35) for controlling the directional processing means to provide adaptation of the spatial signal, and means (LFB1, LFB2) for boosting low frequencies of the spatial signal. A feedback estimator generates a feedback compensation signal (7a, 7b), which is combined with the boosted spatial signal. By applying feedback compensation only after directional processing and low frequency boosting, the device avoids interference by the feedback estimator with the function of the beamformer. The invention also provides a method of processing signals in a hearing aid.

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