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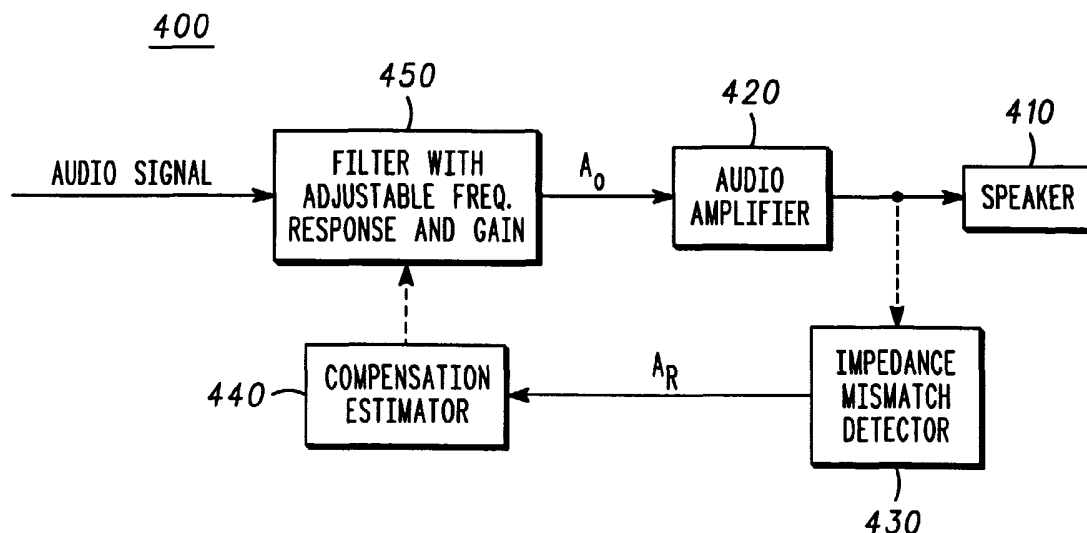
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(57) Abstract: An audio device, for example a wireless communications handset, including a sound transducer (410) coupled to a compensated audio signal output of an audio compensator (450), a mismatch detection circuit (430) having a first input coupled to the compensated audio signal output of the audio compensator (450), the mismatch detection circuit (430) having a second input coupled to the sound transducer (410), the mismatch detecting circuit having an output corresponding to a mismatch between a reference electrical impedance of the sound transducer and an actual electrical impedance of the sound transducer, a compensation estimator (440) having an input coupled to the output of the mismatch detection circuit, the compensation estimator having an audio compensation output coupled to a compensation input of the audio compensator.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,761,316 A (PRICHARD) 02 June 1998, see entire document.	20
X	US 6,154,538 A (NAKANO) 28 November 2000 col. 3, lines 46-48, Fig. 3, col. 4, lines 25-32	1,2, 5-11, 21, 22
X	US 5,068,903 A (WALKER) 26 November 1991 see entire document.	14-16
X	US 5,542,001 A (REIFFIN) 30 July 1996 col. 9, lines 55-60, col. 1, line 10.	1, 3-8, 9, 11-14, 18, 19, 21, 22

Y		17
Y	US 5,771,297 A (RICHARDSON) 23 June 1998, see entire document.	14, 17
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