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(54) Title: AUDIO SIGNAL REPRODUCTION APPARATUS

(57) Abstract

Audio signal reproduction apparatus, for example an in-car entertainment system comprises a number of audio signal sources (1-1 to 1-N) which are selected by means of a selector (2) and fed to an AGC circuit (4) before being applied to an amplifier (6) and loudspeaker (7). The AGC circuit (4) comprises an amplitude analyser (42) and a low pass filter (43) to produce an output signal (44) which controls the gain of an amplifier (41). The arrangement is such that the AGC circuit only causes a gain change when the audio signal lies outside a predetermined amplitude band for a given minimum time period. Thus only long "too loud" or "too soft" passages cause a gain change and transients pass through the arrangement without causing a gain change.

