



162162



G00002

ABSTRACT

AUTOMATIC GAIN CONTROL SYSTEM AND METHOD

An automatic gain control system comprises a number of variable gain stages connected in series and a number of sensors, the input of each sensor being connected to a respective output of the variable gain stages. The input of an analogue-to-digital converter is connected to the output of one of the variable gain stages. The input of a control unit is connected to the outputs of the sensors and to the output of the analogue-to-digital converter. The input of a digital-to-analogue converter is connected to the output of the control unit, and the control inputs of each of the variable gain stages is connected to an output of the digital-to-analogue converter. The outputs of the digital-to-analogue converter are used to control the gains of the variable gain stages. Also disclosed is a method for automatically controlling gain in a receiver system.

Fig. 1