

Abstract

Photo-receiver arrangement

5 The invention relates to a photo-receiver arrangement comprising a photo-sensor for capturing light being incident thereon within a predetermined range of light intensity values, and for converting the captured incident light into a first electrical signal; a pre-scaler connected to an output of the photo-sensor for producing a second scaled electrical signal based on and corresponding to said
10 first electrical signal input into the pre-scaler; and a preamplifier connected to an output of the pre-scaler for amplifying said second scaled electrical signal input into the preamplifier, the preamplifier has a dynamic range of at least substantially linear gain. The pre-scaler and the preamplifier are designed in a mutually matching configuration such that the second scaled electrical signal falls within
15 the said dynamic range of the preamplifier for any light intensity value falling into said predetermined range of light intensity values.

Figure 8



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