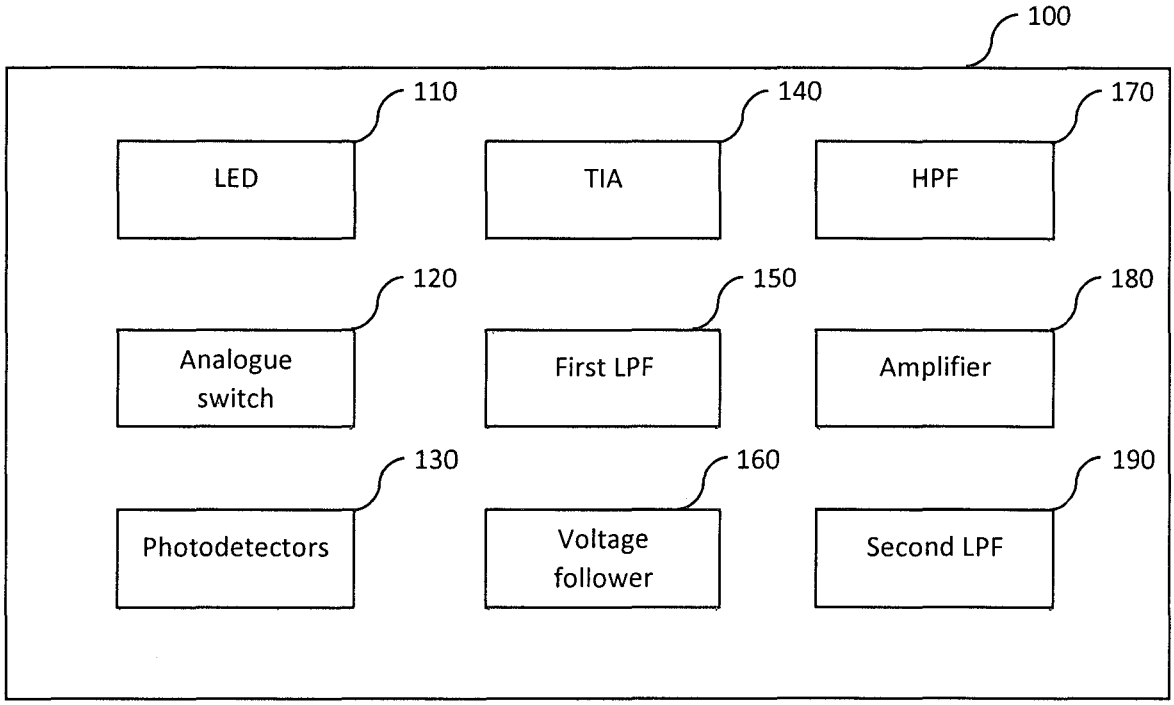

Figure 1

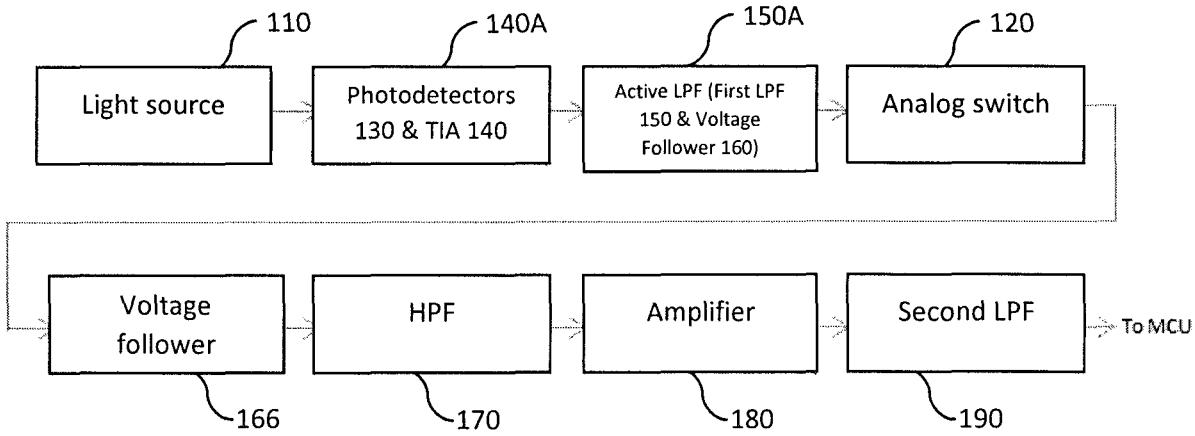

Figure 2

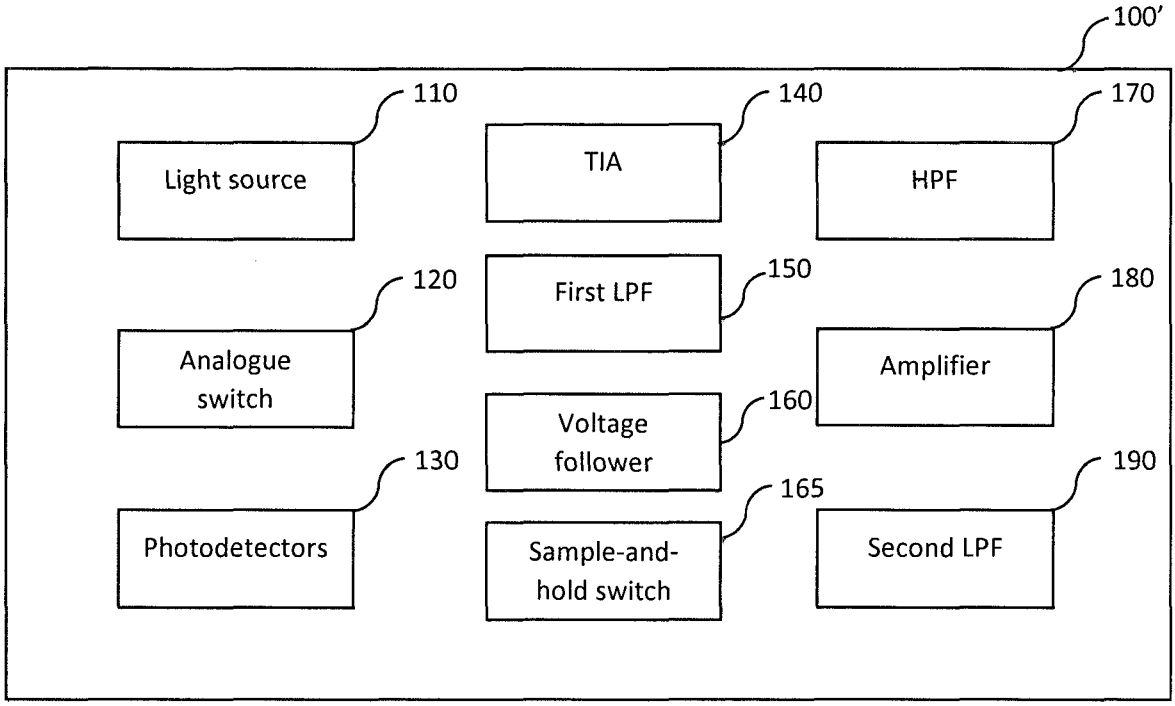

Figure 3

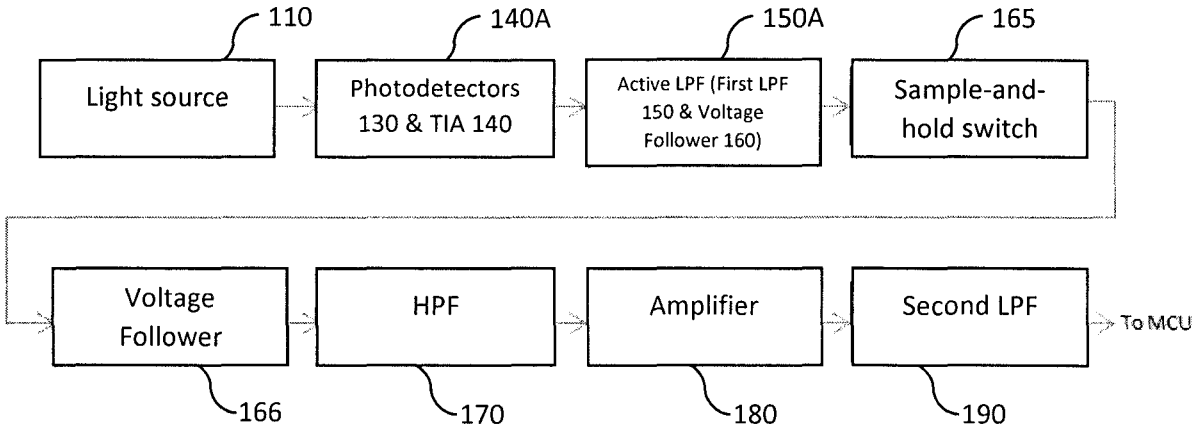

Figure 4

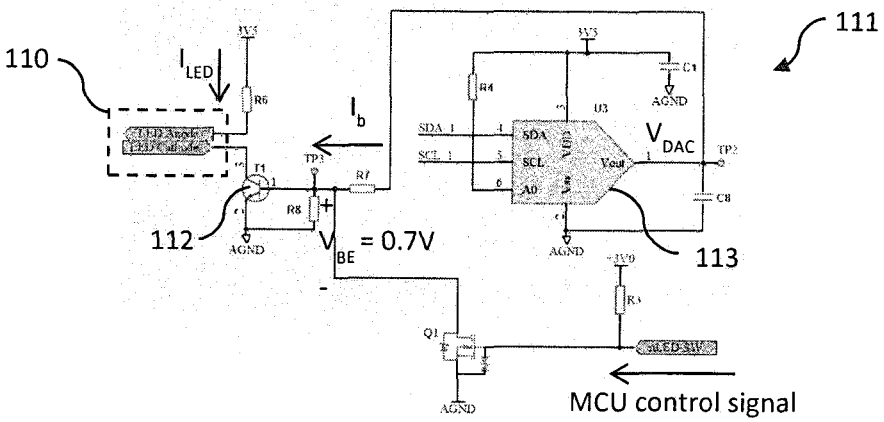

Figure 5

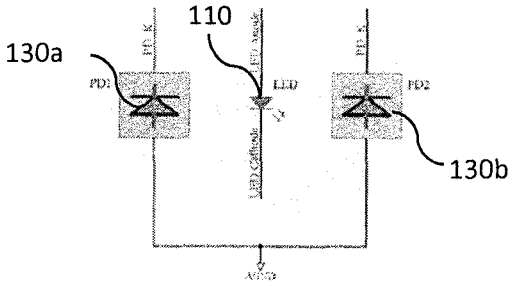

Figure 6

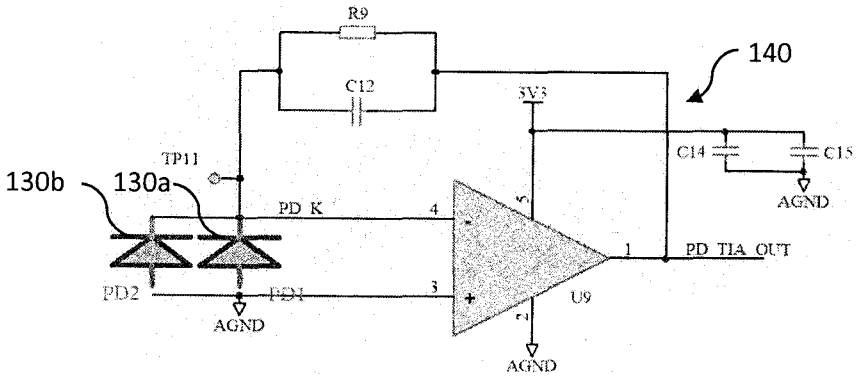

Figure 7

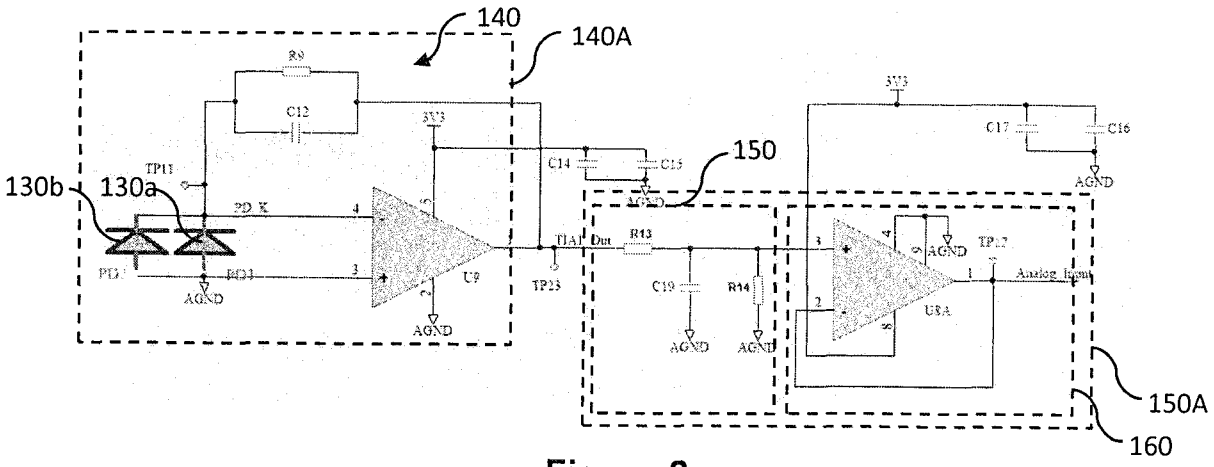

Figure 8

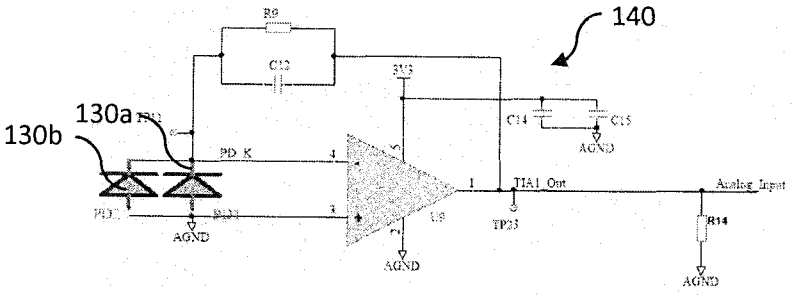

Figure 9

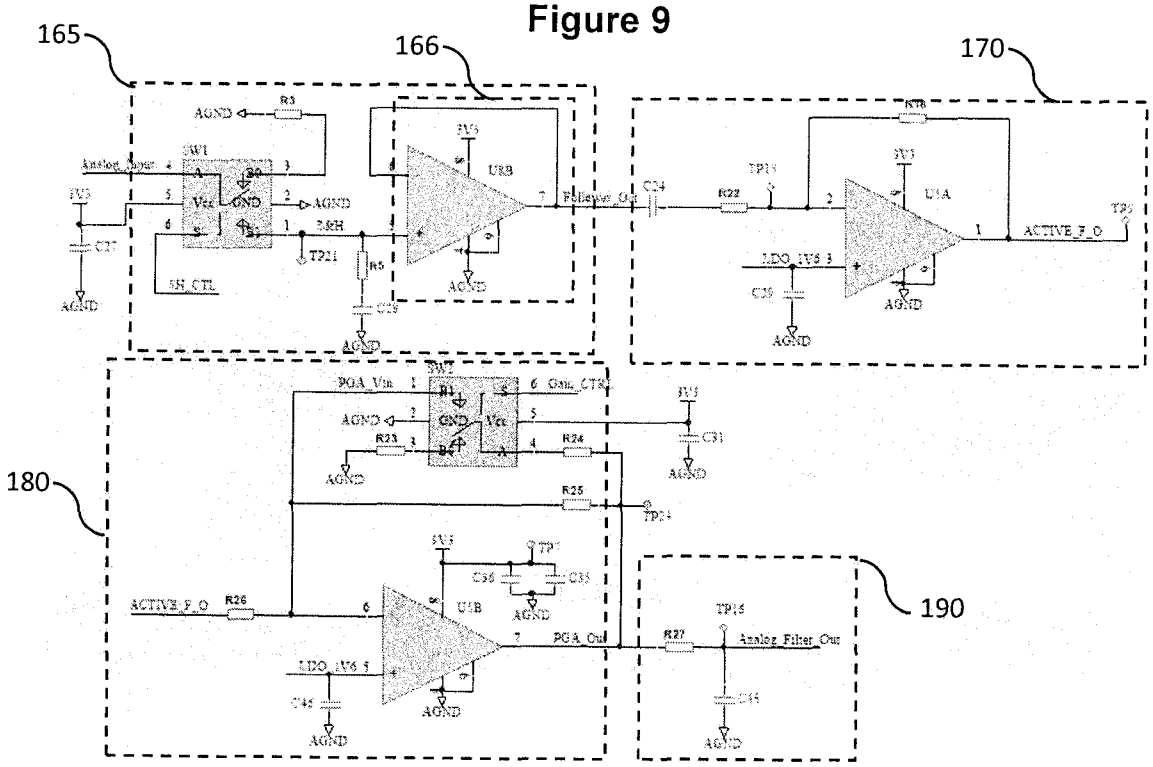

Figure 10

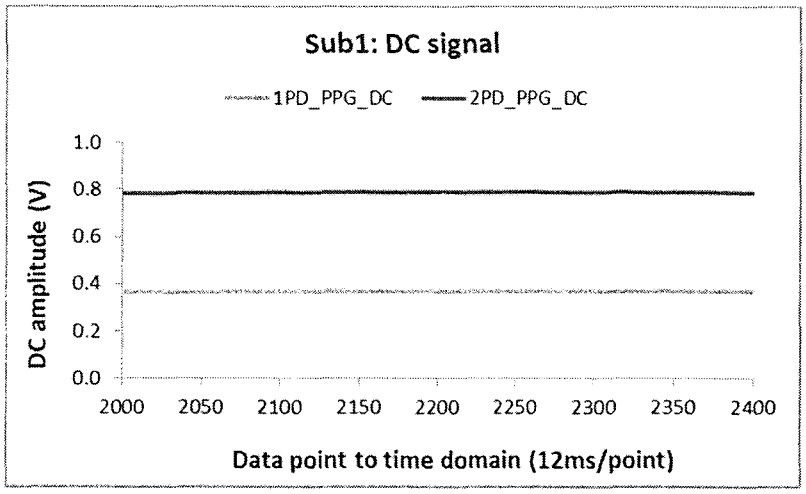

Figure 11(a)

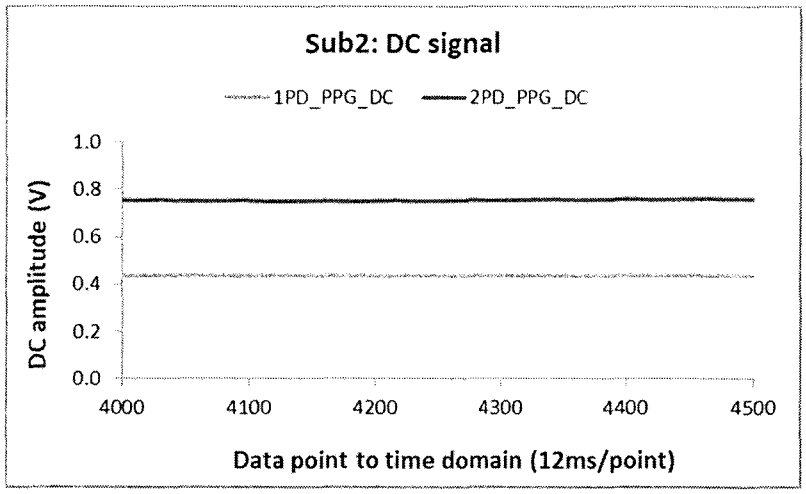

Figure 11(b)

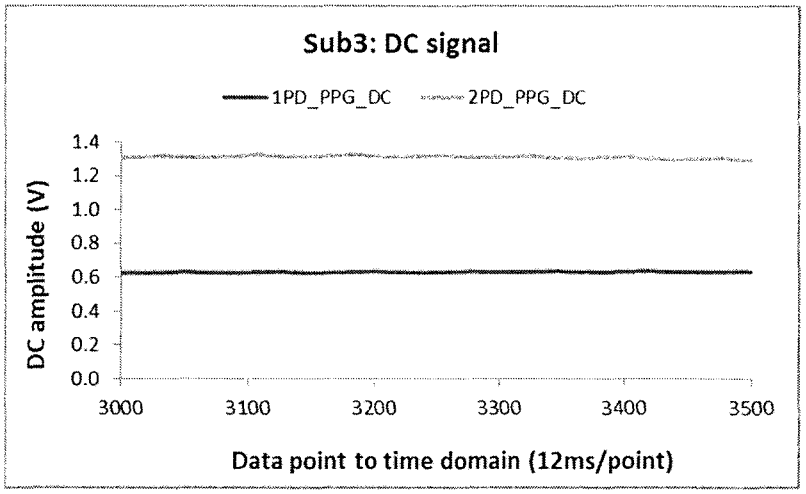

Figure 11(c)

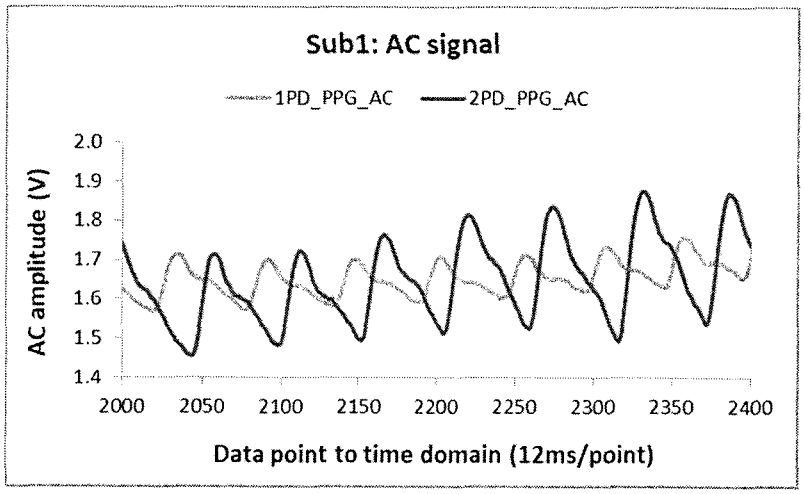

Figure 12(a)

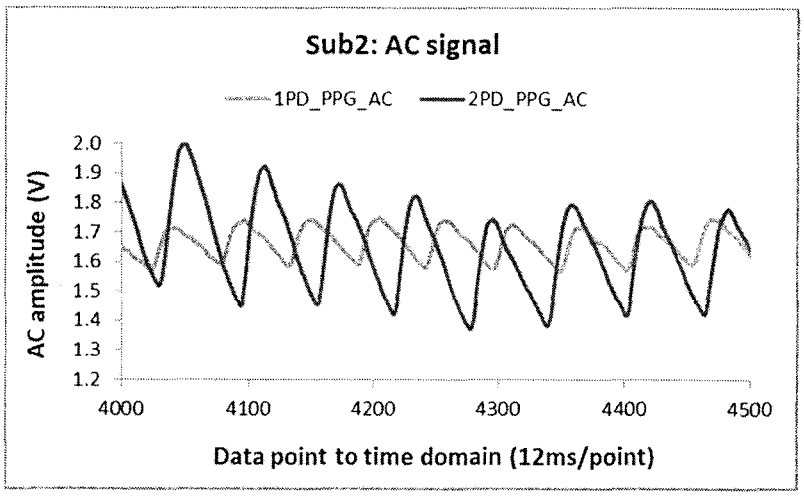

Figure 12(b)

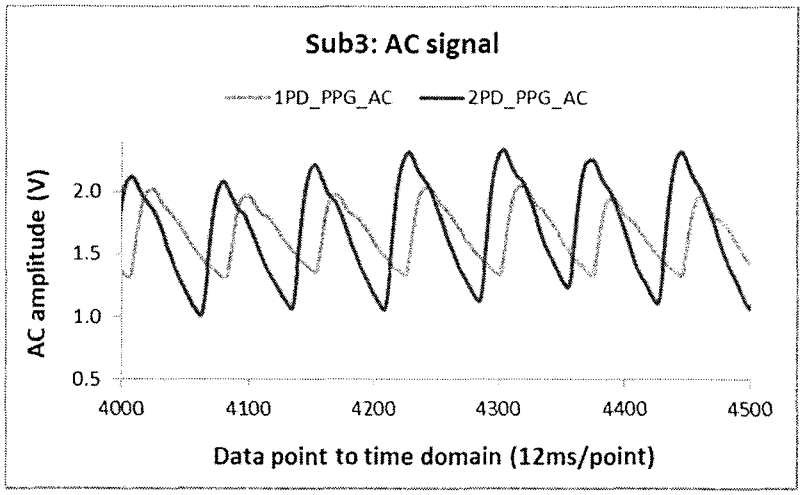

Figure 12(c)

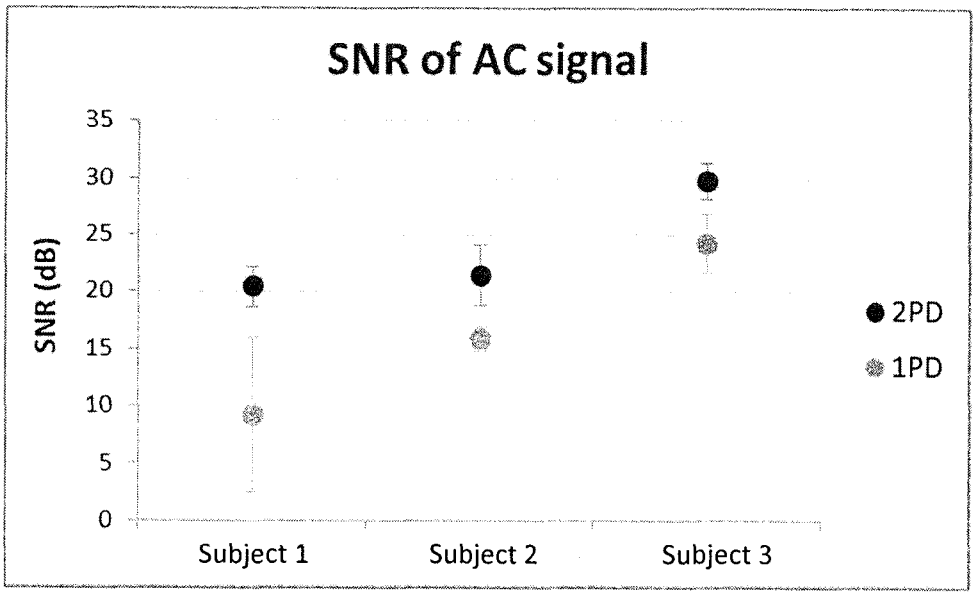

Figure 13

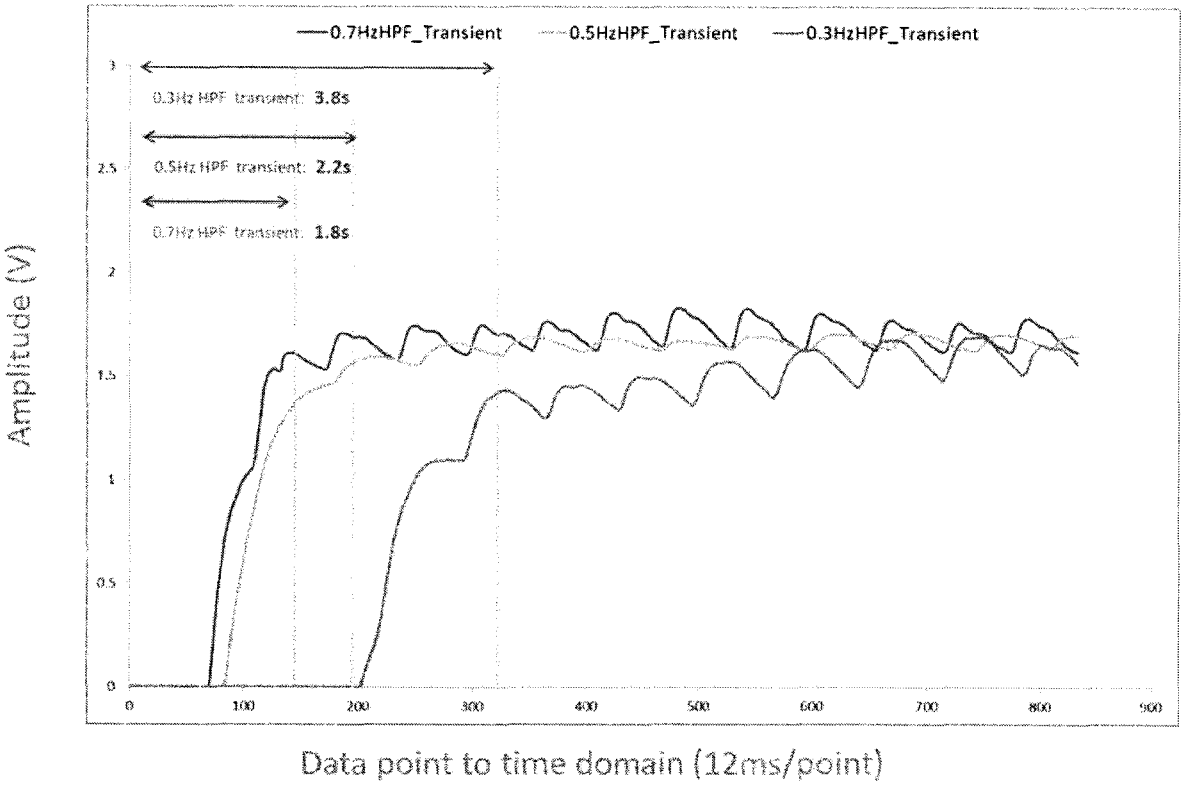

Figure 14

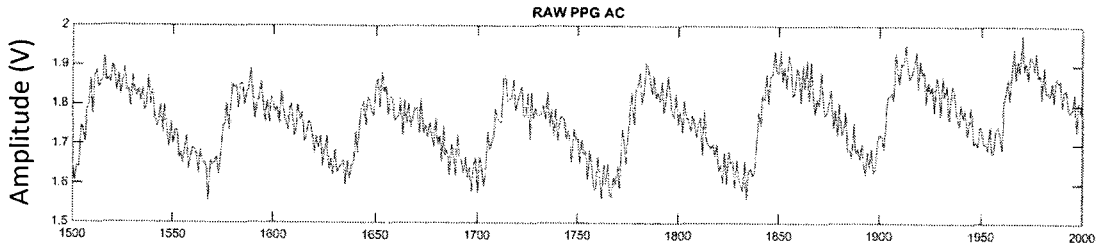

Figure 15(a)

Data point to time domain (12ms/point)

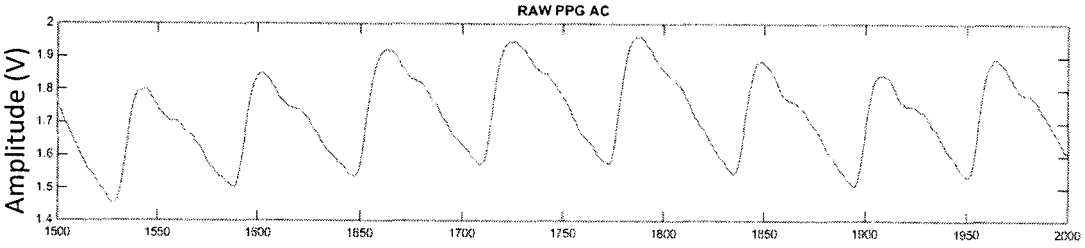

Figure 15(b)

Data point to time domain (12ms/point)

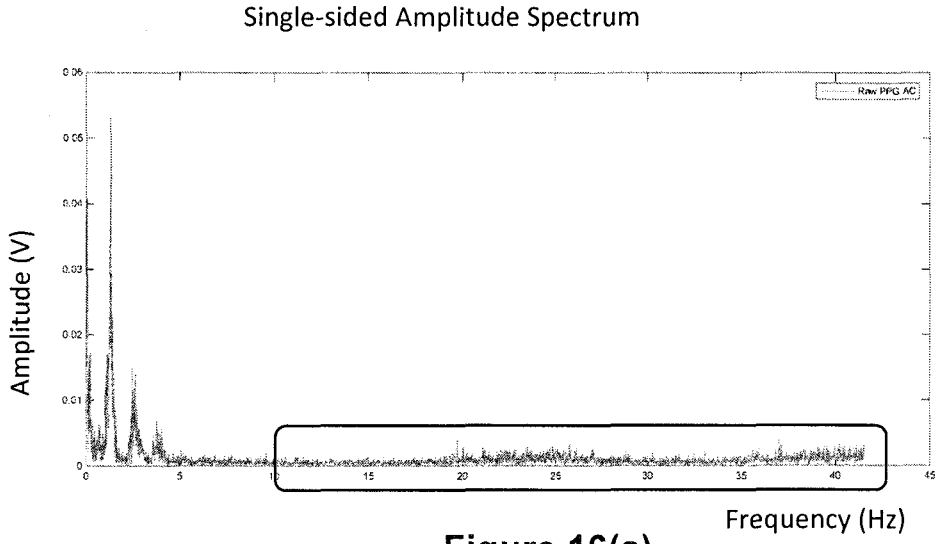

Figure 16(a)

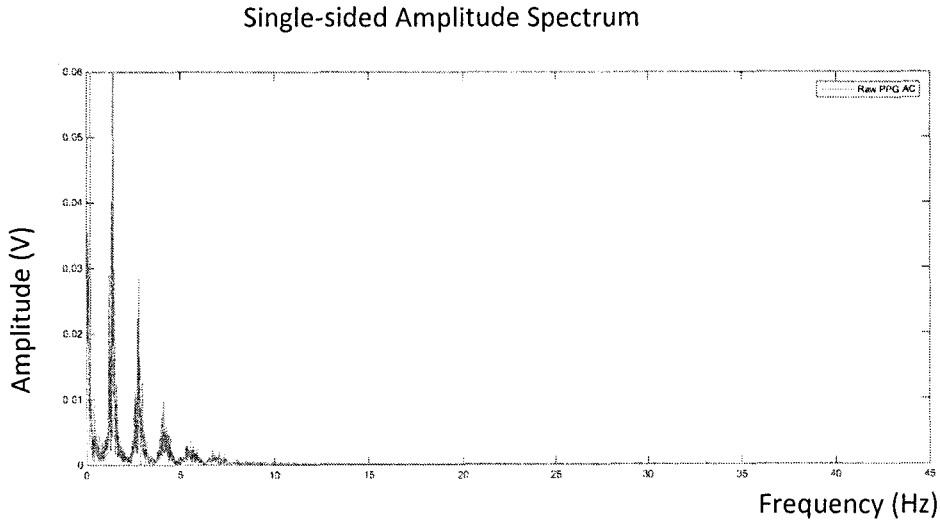

Figure 16(b)

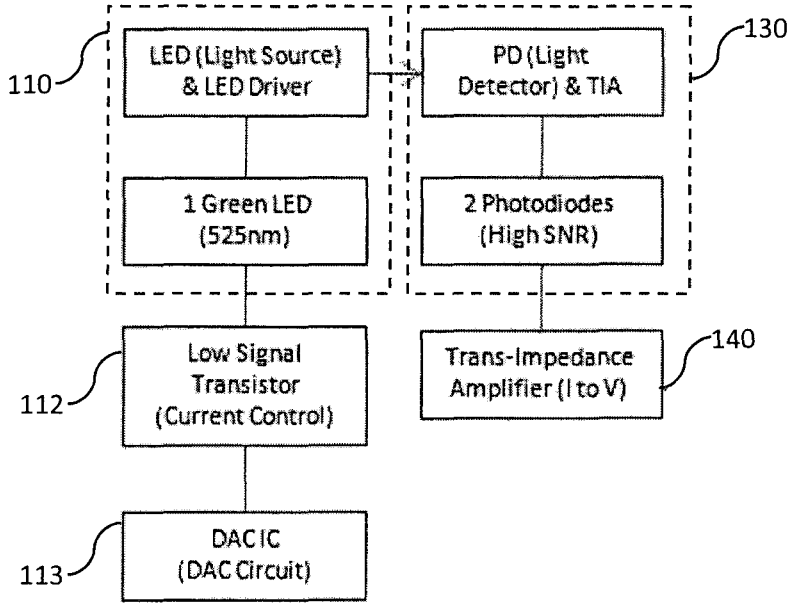
110
LED (Light Source) & LED Driver
PD (Light Detector) & TIA
130
1 Green LED (525nm)
2 Photodiodes (High SNR)
112
Low Signal Transistor (Current Control)
Trans-Impedance Amplifier (I to V)
140
113
DAC IC (DAC Circuit)

Figure 17