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- (72) **Inventor; and**
- (71) **Applicant: WONG, Ming Yip Wallace** [CN/CN]; Unit 512, 5/F, IC Development Centre, No. 6, Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong (CN).
- (74) **Agent: RUIBANG&PARTNERS;** Room 409, Tower B, Dongjiu Building, No.4 Xizhaosi Street, Dongcheng District, Beijing 100061 (CN).

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- (54) **Title:** A METHOD OF SELECTING THE INTENSITY OF A LIGHT SOURCE FOR MONITORING AN ANALYTE IN BLOOD, AND A DEVICE THEREOF

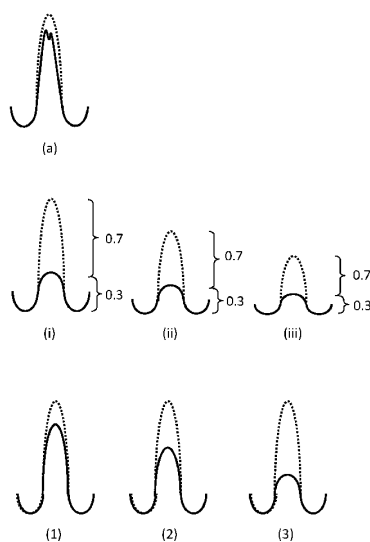


Figure 10

- (57) **Abstract:** A method of monitoring an analyte in blood, particularly glycated-haemoglobin (HbA1c or HgbA1c) uses two photoplethysmocharty (PPG) sensors (101, 103, 201, 203, 205, 207), which are worn on the body of a subject. Each photoplethysmocharty sensor (101, 103, 201, 203, 205, 207) observes the blood of the subject in a different wavelength. One of the wavelengths monitors glycated-haemoglobin. The other one of the wavelengths monitors the body of blood in general. The shapes of the pulses obtained by each of the PPG sensors from the subject are used to adjust the intensity of the light emitted by the PPG sensors into the subject. If on adjustment of the light intensity, the shapes of the pulses become similar, the size of the pulses can be used to provide quasi-quantification of the analyte.



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