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(71) Applicant: NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: SHAO, Huilin; 21 Lower Kent Ridge Road, Singapore 119077 (SG). LIM, Zhi Jun Carine; 21 Lower Kent Ridge Road, Singapore 119077 (SG). ZHANG, Yan; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

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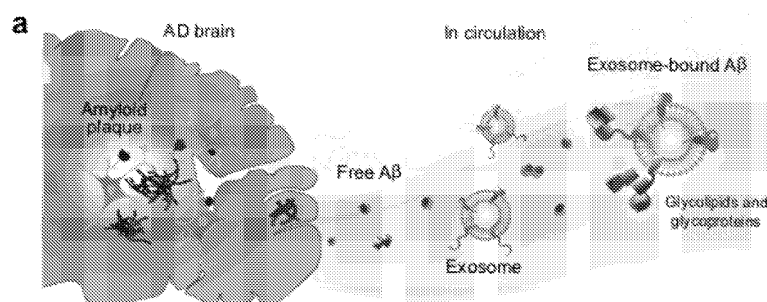


FIGURE 1(a)

(57) Abstract: The present disclosure relates generally to a sensor chip and methods for the detection of an analyte. In particular, the disclosure relates to a sensor chip for detecting an analyte in a subject suffering from a neurodegenerative disease. The sensor chip comprises a conductive layer on a membrane support layer, wherein a plurality of apertures extend through the conductive layer and the membrane support layer and are arranged such that illumination of the conductive layer and/or the membrane support layer produces a surface plasmon resonance.



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