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

(72) Inventors: **SHEN, Lijiong**; c/o National University of Singapore, Centre for Quantum Technologies, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **KURTSIEFER, Christian**; c/o National University of Singapore, Centre for Quantum Technologies, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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(54) Title: METHOD FOR DETECTING BLINDING ATTACKS ON PHOTODETECTORS IN A QUANTUM CRYPTOGRAPHY SYSTEM

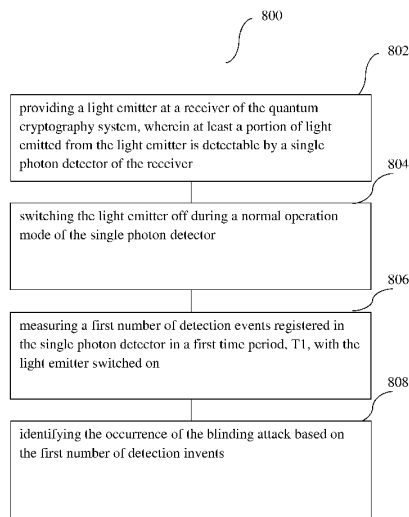


Fig. 8

(57) Abstract: A method of identifying occurrence of a blinding attack in a quantum cryptography system, and a receiver for a quantum cryptography. The method comprises the steps of providing a light emitter at a receiver of the quantum cryptography system, wherein at least a portion of light emitted from the light emitter is detectable by a single photon detector of the receiver; switching the light emitter off during a normal operation mode of the single photon detector; measuring a first number of detection events registered in the single photon detector in a first time period, T1, with the light emitter switched on; and identifying the occurrence of the blinding attack based on the first number of detection events.

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