

Title (en)

ELECTRON TRANSPORT GATE CIRCUITS AND METHODS OF MANUFACTURE, OPERATION AND USE

Title (de)

ELEKTRONENTRANSPORT-GATE-SCHALTUNGEN UND HERSTELLUNGSVERFAHREN, BETRIEB UND VERWENDUNG

Title (fr)

CIRCUITS DE PORTE DE TRANSPORT D'ÉLECTRONS ET PROCÉDÉS DE FABRICATION, DE FONCTIONNEMENT ET D'UTILISATION

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Application

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Abstract (en)

[origin: WO2019084537A1] A circuit is disclosed that includes a first electrode, a second electrode and a plurality of quantum dot devices disposed between the first electrode and the second electrode. An impedance is coupled to the second electrode and has a value selected to conduct or block conduction of current when a coherent electron conduction band is formed by one or more of the quantum dot devices, such as with quantum dot devices in an adjacent circuit.

IPC 8 full level

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No further relevant documents disclosed

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