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(71) Applicant: BERG TECHNOLOGY, INC. [US/US]; One East First Street, Reno, NV 89501 (US). *511 PF24*.

(72) Inventors: DAVID, James, J.; 6206 Crosswick Circle, Mechanicsburg, PA 17055 (US). DUESTERHOEFT, Scott, S.; 466 Shelleys Lane, Etners, PA 17319 (US). SPICKLER, John, M.; 151 W. Market Street, Marietta, PA 17547 (US). HIYAMA, Naoki; 421-1 Eda-cha, Aoba-ku, Yokohama-shi, Kanagawa 225 (JP).

(74) Agents: LONG, Daniel, J. et al.; 825 Old Trail Road, Etners, PA 17319 (US).

(54) Title: EJECT ACTIVATION MECHANISM FOR A MEMORY CARD CONNECTOR AND METHOD OF USE

(57) Abstract

Disclosed is a connector for a memory card in which separate contact positions are engaged during insertion and ejection. The distance (d1) between the first contact position (52) used during insertion and the pivot point (50) of the link arm (48) is greater than the distance (d2) between the second contact position (54) and the pivot point (50) of the link arm (48) by a factor of between 3:1 to 6:1. A significant mechanical advantage is therefore realized so that the card may be inserted with little resistance force while ample ejecting force is available. Also disclosed is a closure device providing security for the memory card, and a trigger device for releasing the restrained link arm (48). A longitudinally directed force, e.g. from the activation of an electrical current in a memory wire (114), causes a rotational force transfer device to withdraw a pin (98) from the link arm (48) so that the link arm moves out of its restrained position (51).

