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(71) Applicant: **CAPITAL ONE SERVICES, LLC** [US/US];
1680 Capital One Drive, McLean, VA 22102 (US).

(72) Inventors: **OSBORN, Kevin**; 49 Hillside Road, Newton
Highlands, MA 02461 (US). **ASHFIELD, James**; 14106
Old Fort Drive, Midlothian, VA 23113 (US). **RULE, Jef-**
frey; 3906 Laird Place, Chevy Chase, MD 20815 (US).

(74) Agent: **KASNEVICH, Andrew, D.** et al.; Hunton Andrews
Kurth LLP, 2200 Pennsylvania Ave, NW, Washington, DC
20037 (US).

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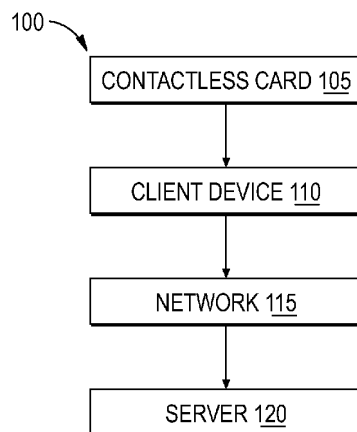


FIG. 1A

(57) Abstract: Example embodiments of systems and methods for data transmission between a contactless card, a client device, and one or more servers are provided. The memory of the contactless card may include one or more applets and a counter. The client device may be in data communication with the contactless card and one or more servers, and the one or more servers may include an expected counter value. The client device maybe configured to read the counter from the contactless card and transmit it to the one or more servers. The one or more servers may compare the counter to the expected counter value for synchronization. The contactless card and the one or more servers may resynchronize the counter, via one or more processes, based on one or more reads of the one or more applets. The one or more servers may authenticate the contactless card based on the re-synchronization.

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