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| <div><div>(71)</div><div>Applicant: ARCULUS HOLDINGS, LLC [US/US]; 309 Pierce Street, Somerset, NJ 08873 (US).</div></div> | <div><div>(84)</div><div>Designated States <i>(unless otherwise indicated, for every kind of regional protection available):</i> ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW) Eurasian (AM, AZ, BY, KG, KZ,</div></div> |
| <div><div>(72)</div><div>Inventor: LOWE, Adam; 2092 Amwell Road, Somerset, NJ 08873 (US).</div></div> | |

(54) Title: SYSTEMS, METHODS, AND DEVICES FOR CONDUCTING FIAT CURRENCY AND CRYPTOCURRENCY TRANSACTIONS

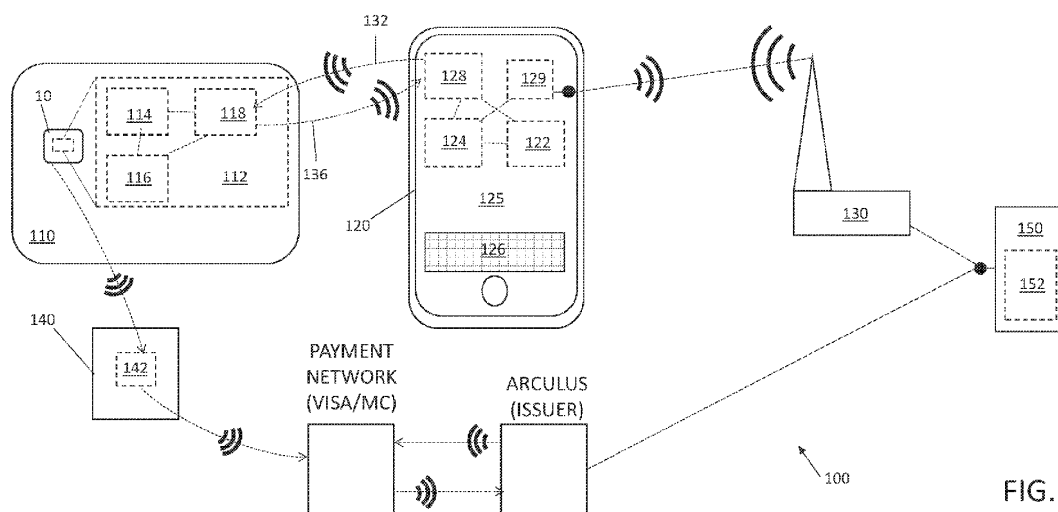


FIG. 1

(57) Abstract: A transaction system for conducting a cryptocurrency transaction includes a hardware storage device, a cryptocurrency transaction processing device, and a fiat currency transaction system for processing a fiat currency transaction. The hardware storage device has a secure element digital memory module embodying instructions readable by a secure element processor for causing a secure element to store a private key in encrypted state in the digital memory, generate a public key using the private key, and to perform a signature operation. The fiat currency transaction system has an interface configured for processing the fiat currency transaction in accordance with a smart contract comprising machine-readable instructions stored in a computer memory accessible by the fiat currency transaction system for causing a processor associated with the smart contract to interface with the cryptocurrency transaction processing device to process a cryptocurrency transaction sufficient to satisfy the fiat transaction.

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