

## (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2023/0231832 A1 Scot et al.

Jul. 20, 2023 (43) **Pub. Date:** 

H04L 67/327 (2013.01)

## (54) SECURE DATA TRANSFER REQUEST **ROUTING FOR PEER-TO-PEER SERVICES**

(71) Applicant: Bank of America Corporation, Charlotte, NC (US)

Inventors: **Richard S. Scot**, Huntersville, NC (US); James J. Siekman, Charlotte, NC (US);

> Neal Aaron Slensker, Fort Mill, SC (US); Basil C. Doyle, Chicago, IL (US)

(21) Appl. No.: 17/576,412

(22)Filed: Jan. 14, 2022

## **Publication Classification**

(51) Int. Cl. H04L 9/40 (2006.01)H04L 45/30 (2006.01) H04L 67/63 (2006.01) H04L 67/306 (2006.01) (52) U.S. Cl. CPC ...... H04L 63/04 (2013.01); H04L 45/308 (2013.01); H04L 67/306 (2013.01);

(57)**ABSTRACT** 

A device configured to receive a data transfer initiation request from a first user and to identify a user profile that is associated with a first user identifier for the first user. The device is further configured to obtain an account number and a routing number for the first user from the user profile. The device is further configured to obtain routing instructions for a service provider based on a service provider identifier. The device is further configured to generate a data transfer request that includes the account number for the first user, the routing number for the first user, a second user identifier for a second user, a data type identifier, and a data transfer type identifier. The device is further configured to send the data transfer request to the service provider in accordance with the routing instructions for the service provider.

