US 20150261625A1

(19) United States

(12) Patent Application Publication

Cape et al.

(10) Pub. No.: US 2015/0261625 A1

(43) Pub. Date: Sep. 17, 2015

(54) **TECHNIQUES FOR MESSAGE RETRANSMISSION MECHANISM**

(71) Applicant: **IEX Group, Inc**, New York, NY (US)

(72) Inventors: **James Michael Cape**, New York, NY (US); **Robert Park**, New York, NY (US); **Allen Zhang**, Princeton, NJ (US); **Zoran Perkov**, Brooklyn, NY (US); **Lieting Yu**, Warren, NJ (US); **Prerak Pukhraj Sanghvi**, Jersey City, NJ (US); **Beau Tateyama**, New York, NY (US); **Constantine Sokoloff**, Jersey City, NJ (US); **Eric Quinlan**, Norwalk, CT (US)

(21) Appl. No.: **14/644,606**

(22) Filed: **Mar. 11, 2015**

Related U.S. Application Data

(60) Provisional application No. 61/951,364, filed on Mar. 11, 2014, provisional application No. 61/951,390, filed on Mar. 11, 2014.

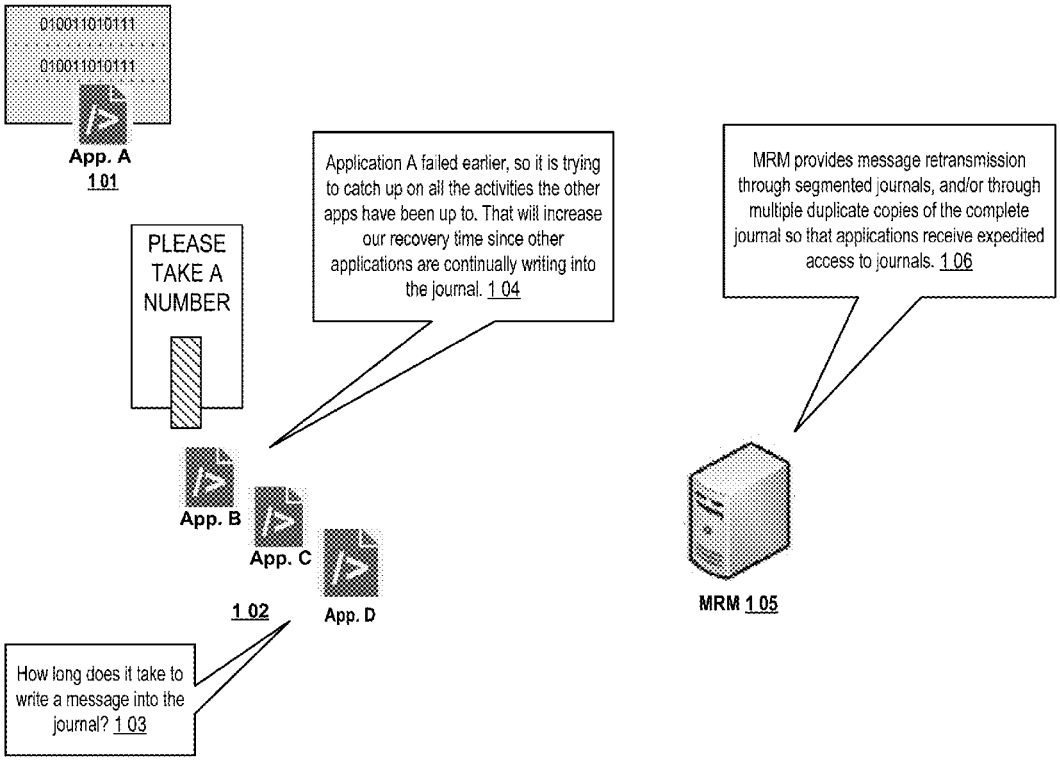
Publication Classification

(51) **Int. Cl.**
G06F 11/14 (2006.01)

(52) **U.S. Cl.**
CPC *G06F 11/1469* (2013.01)

(57) **ABSTRACT**

Embodiments of the Message Retransmission Mechanism Apparatuses, Methods and Systems ("MRM") transform application requests for message journals via MRM components into expedited access to segmented message streams. In one implementation, the MRM may obtain message journal of messages written by applications during system operations and divide up the message obtained from the complete message journal into message segments. In some implementations, the MRM may provide recovering applications access to said message segments for expedited message consumption.



Example Embodiment: Application Message Journaling Management