



US 20230231783A1

(19) **United States**

(12) **Patent Application Publication**
Amiri et al.

(10) **Pub. No.: US 2023/0231783 A1**

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

(54) **TRAFFIC MATRIX ESTIMATION WITH THE QSP-MLE MODEL AND RECURSIVE IMPROVEMENT**

(52) **U.S. Cl.**
CPC *H04L 43/062* (2013.01); *H04L 43/0876* (2013.01)

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(57) **ABSTRACT**

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Systems and methods include receiving network data from a network; estimating large flows from the network data utilizing a first statistical approach; responsive to the network being large flow dominant, recursively estimating flows in the network utilizing the first statistical approach until an exit condition is reached; and combining the recursively estimated flows and forming a traffic matrix based thereon. The recursively estimating flows can include estimating a set of large flows utilizing the first statistical approach and freezing a resulting estimate while leaving smaller flows unsolved; repeating the estimating for a next set of large flows from the unsolved smaller flows; and continuing the repeating until the exit condition is reached.

(21) Appl. No.: **17/579,687**

(22) Filed: **Jan. 20, 2022**

Publication Classification

(51) **Int. Cl.**
H04L 43/062 (2006.01)
H04L 43/0876 (2006.01)

