



US 20230231814A1

(19) **United States**(12) **Patent Application Publication**  
**ROSE**(10) **Pub. No.: US 2023/0231814 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **DYNAMIC ALLOCATION OF NETWORK  
RESOURCES USING EXTERNAL INPUTS****Publication Classification**(51) **Int. Cl.***H04L 47/52* (2006.01)*H04L 47/283* (2006.01)*H04L 47/80* (2006.01)*H04L 41/00* (2006.01)(52) **U.S. Cl.**CPC ..... *H04L 47/522* (2013.01); *H04L 47/283*(2013.01); *H04L 47/803* (2013.01); *H04L**41/00* (2013.01)(71) Applicant: **Comcast Cable Communications,  
LLC, Philadelphia, PA (US)**(72) Inventor: **David Allen ROSE, Parker, CO (US)**(21) Appl. No.: **18/189,592**(22) Filed: **Mar. 24, 2023****Related U.S. Application Data**

(63) Continuation of application No. 17/719,475, filed on Apr. 13, 2022, now Pat. No. 11,646,972, which is a continuation of application No. 17/165,681, filed on Feb. 2, 2021, now Pat. No. 11,329,928, which is a continuation of application No. 14/698,929, filed on Apr. 29, 2015, now Pat. No. 10,951,538.

(57)

**ABSTRACT**

Systems and methods for managing network resources are disclosed. One method can comprise receiving first information relating to network traffic parameters and receiving second information relating to one or more contextual events having an effect on the network traffic parameters. The first information and the second information and be correlated. And one or more network resources can be allocated based on the correlation of the first information and the second information.

