US 20230231766A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0231766 A1

Patterson et al. (43) Pub. Date: Jul. 20, 2023

(54) **ASSIGNMENT OF NETWORK CONFIGURATION FOR A WIRED NETWORK USING A WIRELESS NETWORK**

(71) Applicant: **NetApp, Inc.**, San Jose, CA (US)

(72) Inventors: **John Allen Patterson**, Niwot, CO (US); **Derek J. Leslie**, Erie, CO (US); **Adam Carter**, Louisville, CO (US); **Marc Wayne Brotherson**, Boulder, CO (US)

(73) Assignee: **NetApp, Inc.**, San Jose, CA (US)

(21) Appl. No.: **18/186,760**

(22) Filed: **Mar. 20, 2023**

Related U.S. Application Data

(63) Continuation of application No. 17/330,648, filed on May 26, 2021, now Pat. No. 11,611,476, which is a continuation of application No. 16/530,370, filed on Aug. 2, 2019, now Pat. No. 11,032,143.

(60) Provisional application No. 62/714,278, filed on Aug. 3, 2018.

Publication Classification

(51) **Int. Cl.**
H04L 41/0806 (2006.01)
H04L 12/46 (2006.01)

(52) **U.S. Cl.**
CPC ***H04L 41/0806*** (2013.01); ***H04L 12/4641*** (2013.01)

(57) **ABSTRACT**

A technique is configured to utilize messages (e.g., frames) generated by a first layer of a protocol stack for a wireless network to configure network parameters associated with a second layer of the protocol stack for a wired network. The messages are illustratively beacon frames generated by a data link layer of a Transmission Control Protocol/Internet Protocol (TCP/IP) stack for a wireless network, and the network parameters are illustratively IP addresses associated with a network layer of the TCP/IP stack for a wired network. Notably, the beacon frames of the wireless network may be utilized for two-way communication exchange on a per node basis for each node in the wired network.