



US009264301B1

(12) **United States Patent**
Chua et al.

(10) **Patent No.:** **US 9,264,301 B1**
(45) **Date of Patent:** ***Feb. 16, 2016**

(54) **HIGH AVAILABILITY FOR SOFTWARE
DEFINED NETWORKS**

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 38 days.

This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **13/841,968**

(22) Filed: **Mar. 15, 2013**

Related U.S. Application Data

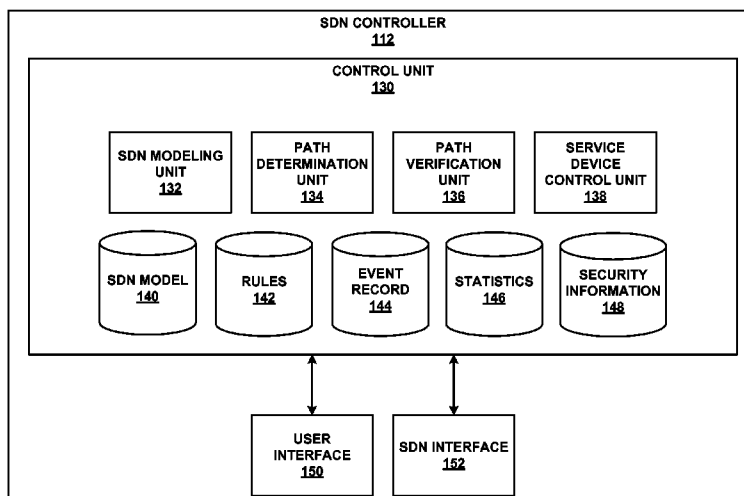
- (60) Provisional application No. 61/703,692, filed on Sep. 20, 2012.
- (51) **Int. Cl.**
G01R 31/08 (2006.01)
H04L 12/24 (2006.01)
H04L 12/701 (2013.01)
- (52) **U.S. Cl.**
CPC **H04L 41/0668** (2013.01); **H04L 45/00** (2013.01)
- (58) **Field of Classification Search**
USPC 370/252, 254, 238; 709/220, 221; 714/4.2, E11.008
See application file for complete search history.

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(57) **ABSTRACT**

In one example, a controller device for a software defined network (SDN) includes one or more network interfaces configured to communicate with network devices of the SDN, and one or more processors configured to determine a primary path for network traffic between network devices of the SDN, determine a backup path to the primary path for the network traffic between the network devices of the SDN, and, in response to a failover event, configure the network devices to switch from the primary path to the backup path.

20 Claims, 9 Drawing Sheets



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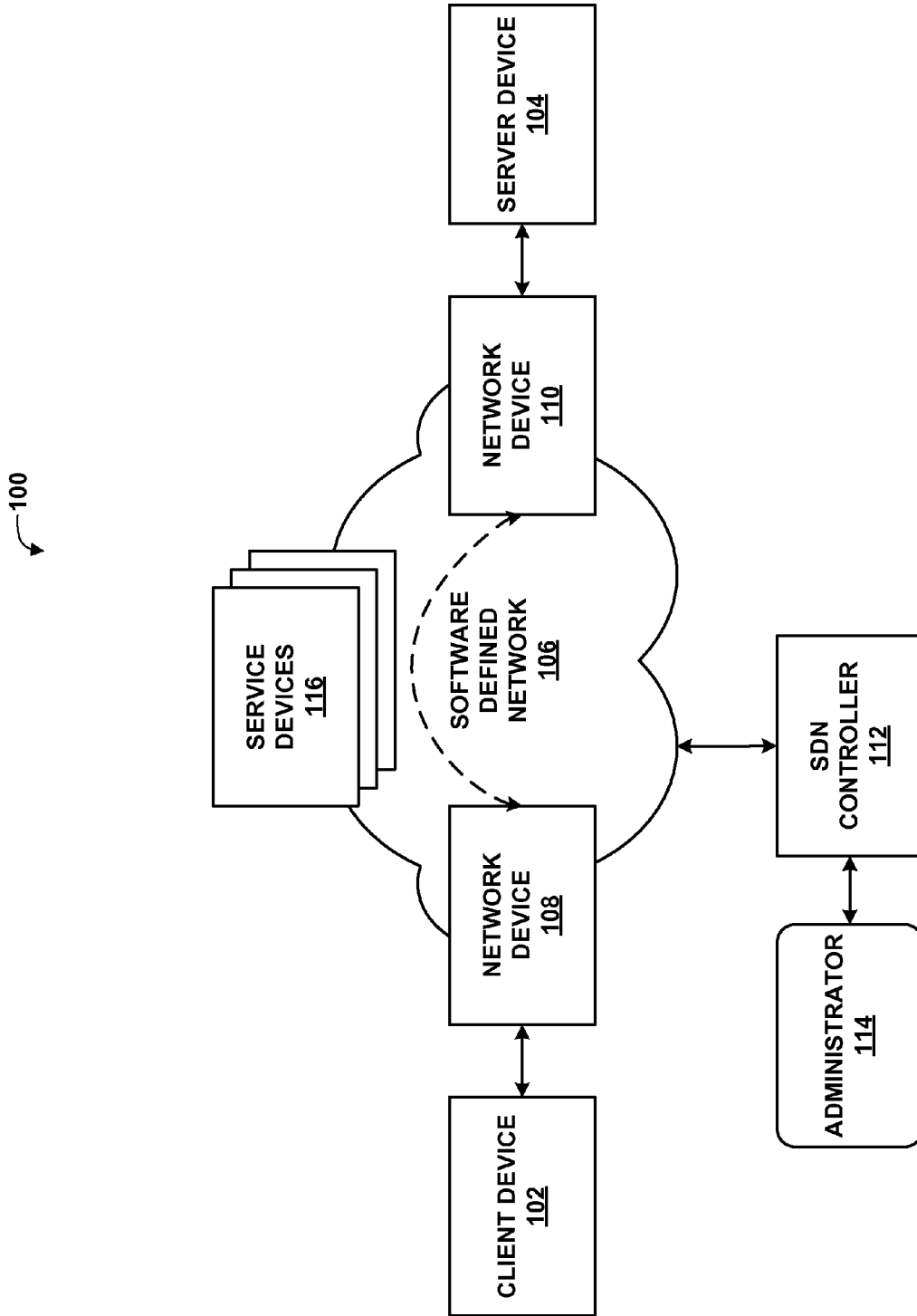


FIG. 1

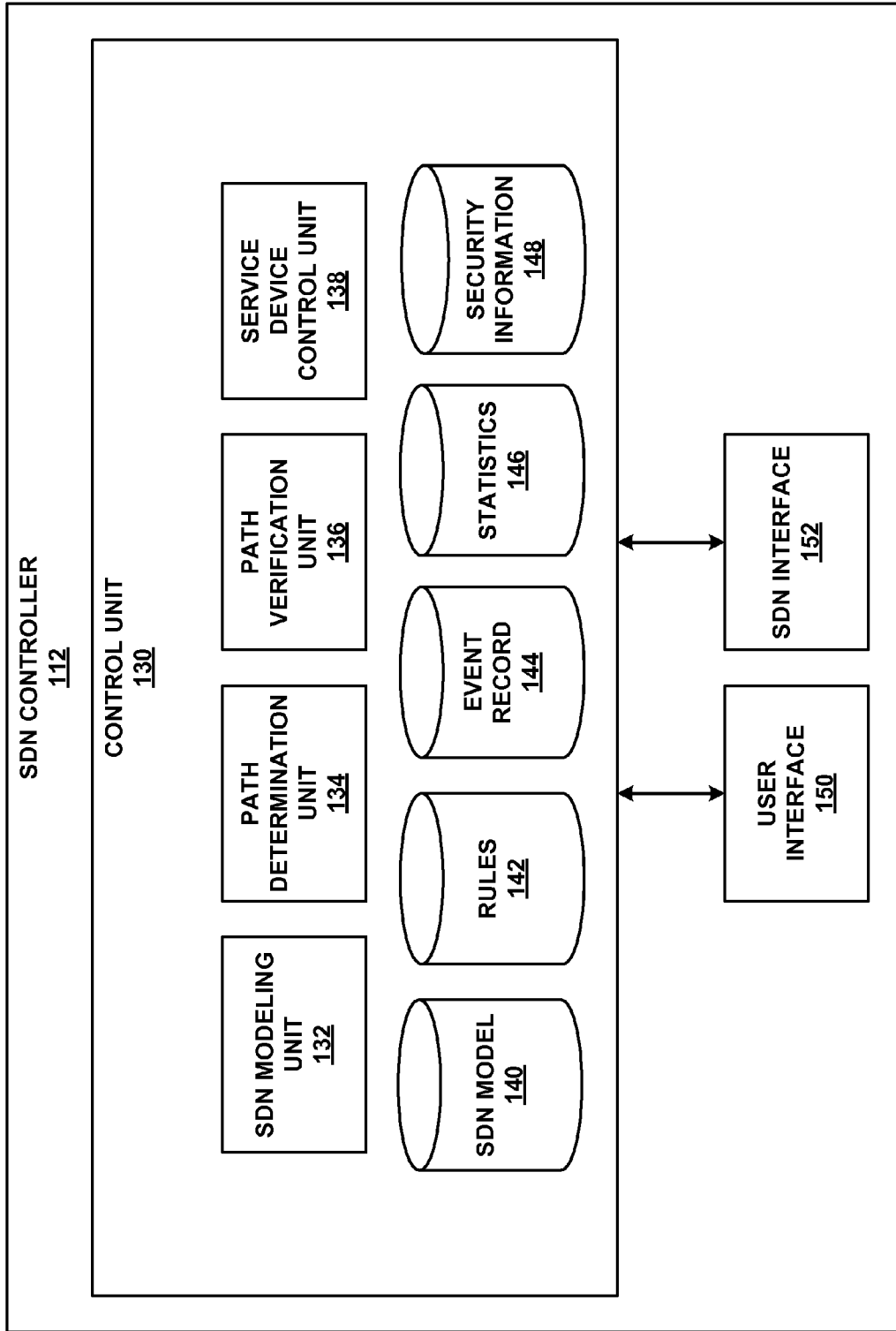


FIG. 2

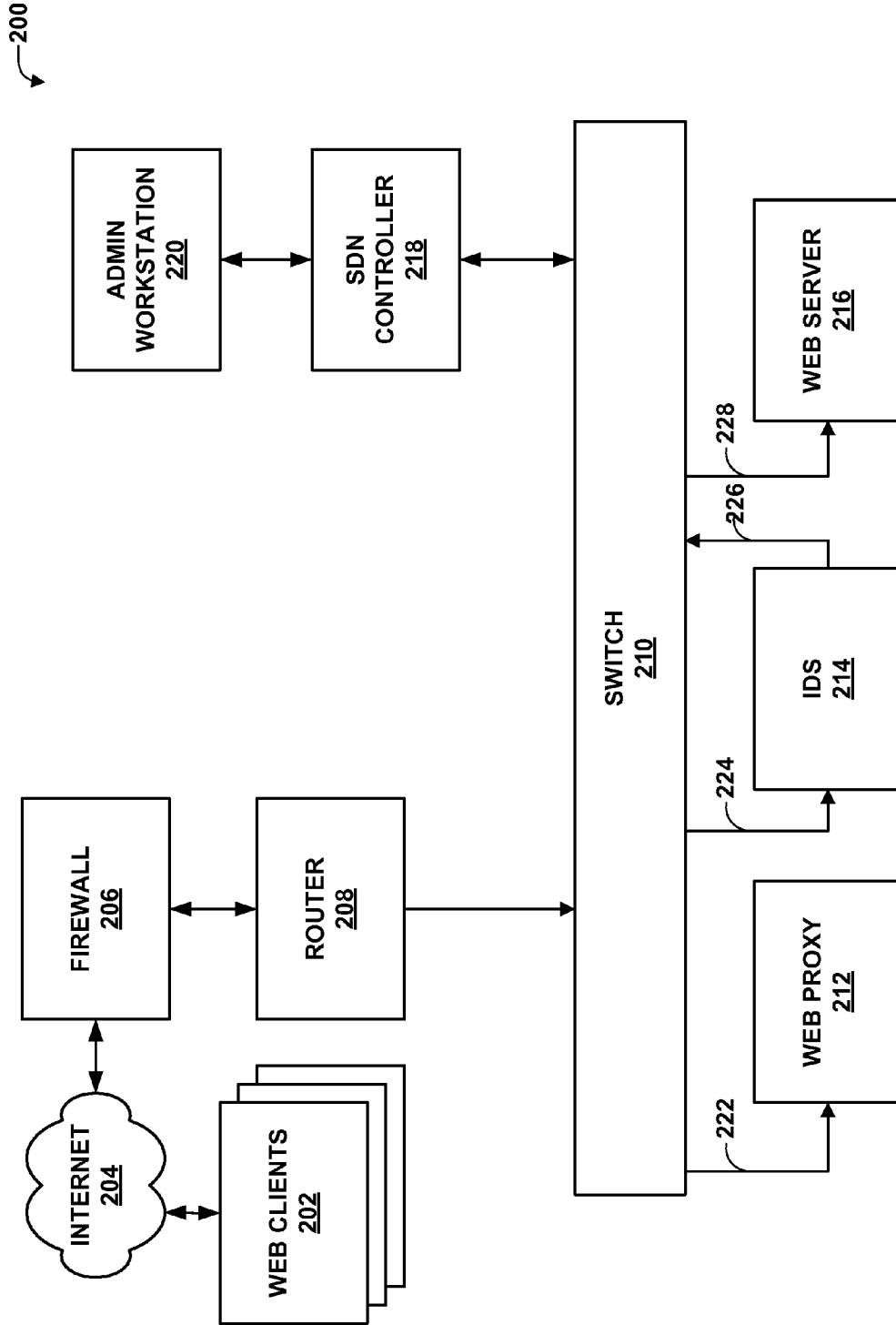


FIG. 3

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