



US008144611B2

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

(10) **Patent No.:** **US 8,144,611 B2**
(45) **Date of Patent:** **Mar. 27, 2012**

(54) **NETWORK COORDINATE SYSTEMS USING IP INFORMATION**

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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 325 days.

(21) Appl. No.: **12/368,844**

(22) Filed: **Feb. 10, 2009**

(65) **Prior Publication Data**

US 2010/0202298 A1 Aug. 12, 2010

(51) **Int. Cl.**
H04L 12/26 (2006.01)

(52) **U.S. Cl.** **370/252; 370/255; 709/224**

(58) **Field of Classification Search** **370/241–258; 709/223–226, 24**

See application file for complete search history.

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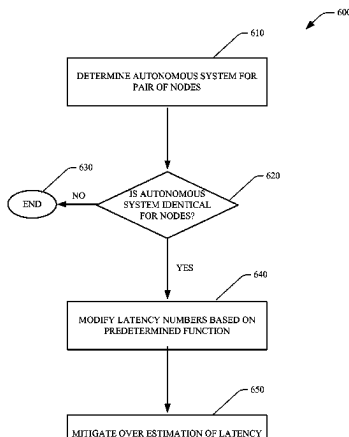
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(57) **ABSTRACT**

Systems and methods that improve predictions of network latency in network coordinate systems (NCS) based on combining Internet topology information therewith. Topology information can be incorporated into the NCS by system/methodologies represented by geographic bootstrapping; autonomous system (AS) correction; history prioritization; symmetric updates or a combination thereof. Such can improve latency estimation between nodes when using a virtual coordinate system based on latency measurements between nodes.

16 Claims, 11 Drawing Sheets



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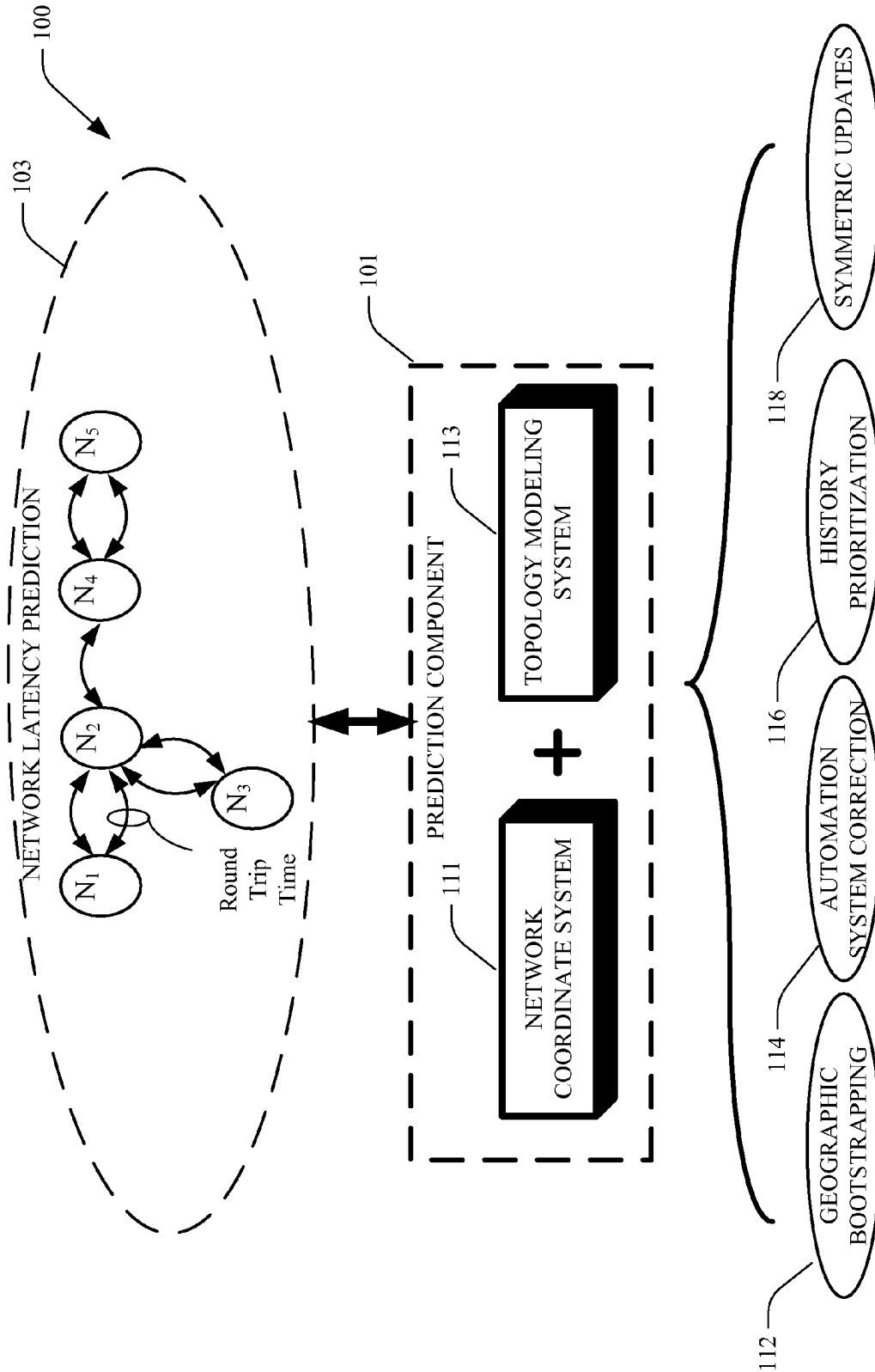
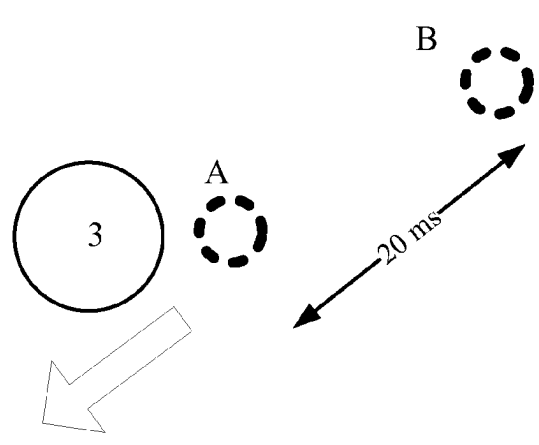
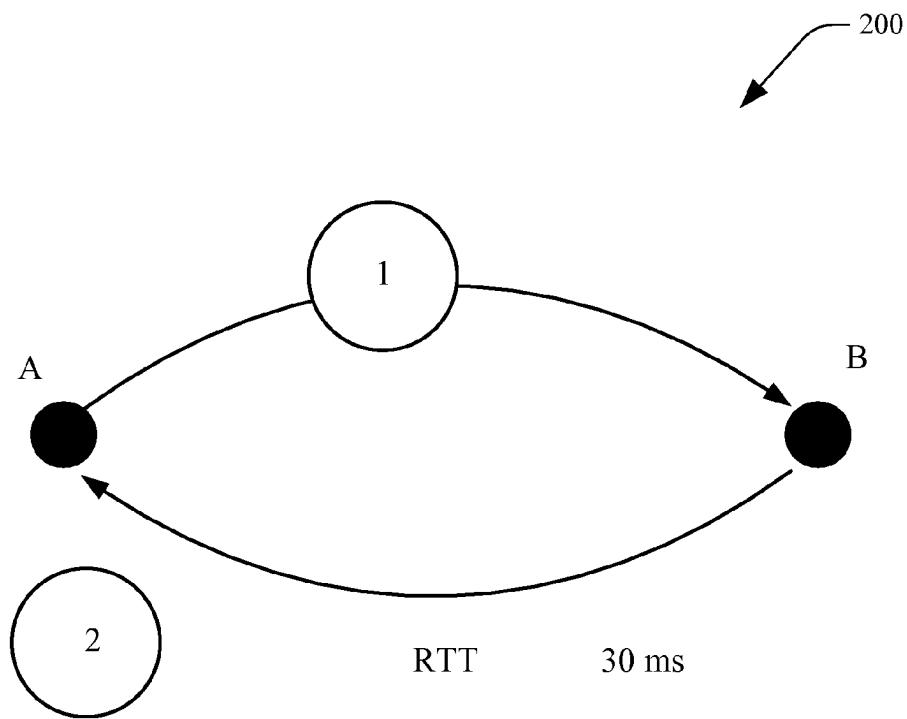


Fig. 1



(Prior Art)
Fig. 2

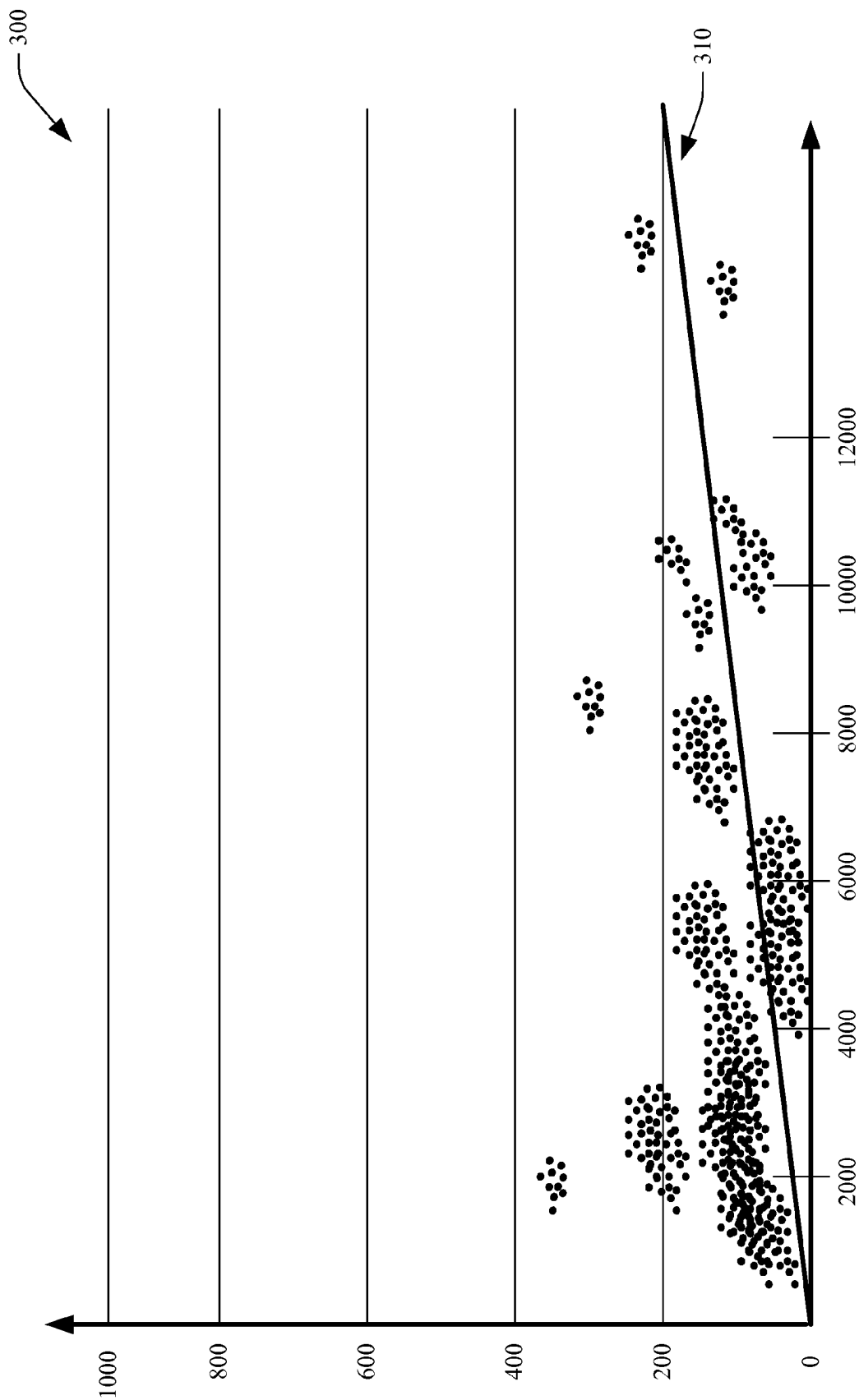


Fig. 3

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