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- (71) **Applicant (for all designated States except US):** **HUAWEI TECHNOLOGIES CO., LTD.** [CN/CN]; Huawei Administration Building, Bantian, Longgang District, Guangdong, Shenzhen, Guangdong 518129 (CN).
- (71) **Applicant (for US only):** **FUTUREWEI TECHNOLOGIES, INC.** [US/US]; 5340 Legacy Drive, Suite 175, Plano, Texas 75024 (US).
- (72) **Inventors:** **ZHANG, Hang**; 24 Gardengate Way, Nepean, Ontario K2G 5Z1 (CA). **CALLARD, Aaron**; 2663 Conn St., Ottawa, Ontario K2B 7C4 (CA). **SENARATH, Gamini**; 46, Maple Stand Way, Ottawa, Ontario K2G 6P5 (CA). **DJUKIC, Petar**; 100 Champagne Ave. S., Unit 803, Ottawa, Ontario K1S 4P4 (CA). **STEPHENNE, Alex**; 141 West Ridge Drive, Stittsville, Ontario K2S 2H3 (CA).

DAO, Ngoc-Dung; 242 Huntsville Drive, Ottawa, Ontario K2T 0C7 (CA). **FARMANBAR, Hamidreza**; 1146 Northgraves Cres., Ottawa, Ontario K2M 0E1 (CA). **LI, Xu**; 309 Lecanto Terrace, Nepean, Ontario K2J 0M4 (CA). **SHAFIEE, Kaveh**; 1005-230 Woodridge Crescent, Ottawa, Ontario K2K 3J1 (CA). **LEROUX, Philippe**; 9 Melrose Av unit 200, Ottawa, Ontario K1Y 1T8 (CA).

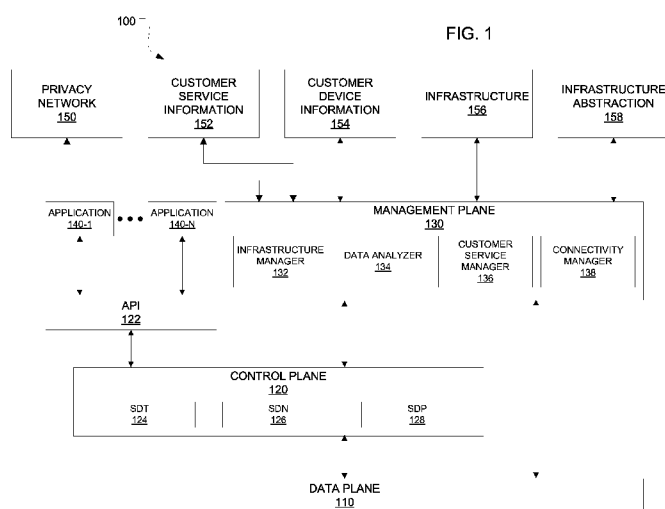
(74) **Agent:** **WIEBUSCH, Landon E.**; Slater & Matsil, L.L.P., 17950 Preston Rd., Suite 1000, Dallas, Texas 75252 (US).

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[Continued on next page]

(54) **Title:** SYSTEM AND METHOD FOR MAPPING A SERVICE-LEVEL TOPOLOGY TO A SERVICE-SPECIFIC DATA PLANE LOGICAL TOPOLOGY



(57) **Abstract:** An embodiment method includes receiving service parameters for a service and locating logical network nodes for a service-specific data plane logical topology at respective physical network nodes among a plurality of physical network nodes according to the service parameters, a service-level topology, and a physical infrastructure of the plurality of physical network nodes. The method also includes defining connections among the logical network nodes according to the service parameters, the service-level topology, and the physical infrastructure, and defining respective functionalities for the logical network nodes.



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