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(54) Title of the invention : A SYSTEM AND METHOD FOR ROUTING NETWORK TRAFFIC IN A PROGRAMMABLE DATA-DEPENDENT NETWORK

(51) International classification : H04L0045000000, H04L0043080000, H04L0045280000, H04L0043045000, H04L0043040000 (86) International Application No Filing Date :NA :NA (87) International Publication No : NA (61) Patent of Addition to Application Number Filing Date :NA :NA (62) Divisional to Application Number Filing Date :NA :NA	(71)**Name of Applicant :** 1)**Chitkara University** Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- ----------- 2)**Bluest Mettle Solutions Private Limited** **Name of Applicant : NA** **Address of Applicant : NA** (72)**Name of Inventor :** 1)**MISHRA, Rahul** Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- ----------- 2)**SINGH, Dhiraj** Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- ----------- 3)**MANTRI, Archana** Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------

(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for routing network traffic in a programmable data-dependent network by applying machine learning and traffic analysis techniques. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to collect network traffic data from a plurality of sources in a network. Next, the processor (202) is configured to process the collected network traffic data. Thereafter, the processor (202) is configured to generate a routing decision based on the processed network traffic data. In the end, the processor (202) is configured to update a routing configuration in the network based on the generated routing decision

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