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(54) Title of the Invention: **Methods and systems for transmitting packets through aggregated end-to-end connection**
Abstract Title: **Methods and systems for transmitting packets through aggregated end-to-end connection**

(57) A method carried out by a first communications router for transmitting data packets to a second communications router by establishing an aggregated end-to-end connection with the second communications router. The aggregated end-to-end connection comprises a plurality of established end-to-end connections which are classified into a first group and at least one non-first group of established end-to-end connection(s). The first group of established end-to-end connection(s) satisfy all of one or more conditions and the at least one non-first group of established end-to-end connection(s) do not satisfy all of the one or more conditions. Data packets are transmitted through the first group of established end-to-end connection(s) and the at least one non-first group of established end-to-end connection(s), although, it is preferred to transmit data packets through the first group of established end-to-end connection(s). The present invention further comprises a method and system for determining whether each of the established end-to-end connections of an aggregated end-to-end connection belongs to a first group of established end-to-end connection(s) or at least one non-first group of established end-to-end connection(s) and determining whether data packets are first type data packets. The first type data packets are transmitted through the first group of established end-to-end connection(s).

[Fig. 1A]

This international application has entered the national phase early.