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(54) Title: COMMUNICATION APPARATUS AND COMMUNICATION METHOD FOR MULTI-LINK PEER TO PEER COMMUNICATION

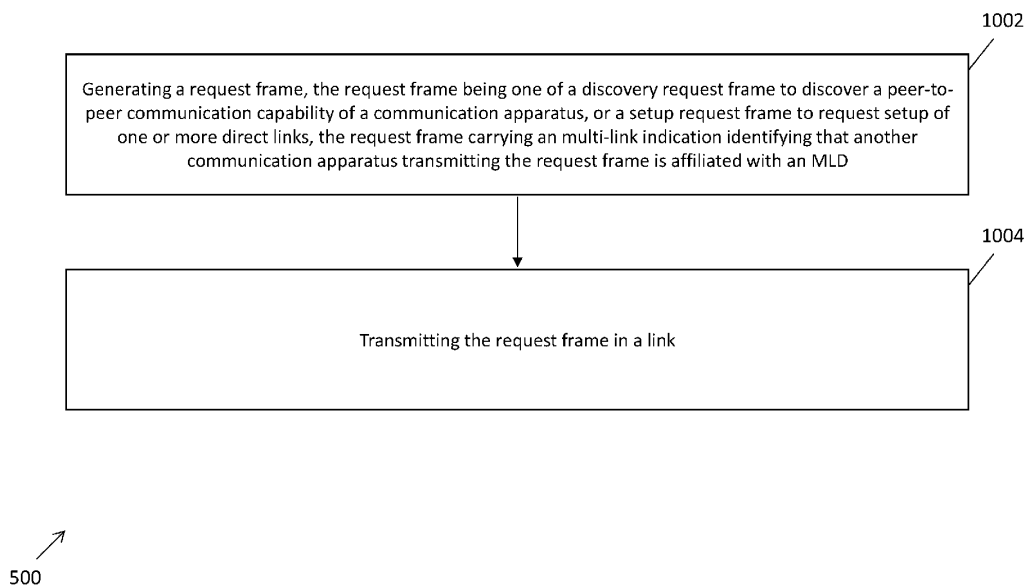


Fig.10

(57) Abstract: The present disclosure provides communication apparatuses and methods for multi-link peer-to-peer communication, the communication apparatus being a communication apparatus of a plurality of communication apparatuses affiliated with a first multi-link device (MLD), each of the plurality of communication apparatuses operating in a corresponding link of the first MLD, the communication apparatus comprising: circuitry, which in operation, generates a request frame, the request frame being one of a discovery request frame to discover a peer-to-peer communication capability of another communication apparatus, or a setup request frame to request setup of one or more direct links, the request frame carrying a multi-link (ML) indication identifying that the communication apparatus is affiliated with the first MLD; and a transmitter, which in operation, transmits the request frame in a link.

WO 2022/124979 A1

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