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(54) **Title:** COMMUNICATION APPARATUS AND COMMUNICATION METHOD FOR MULTI-LINK ADDRESS RESOLUTION

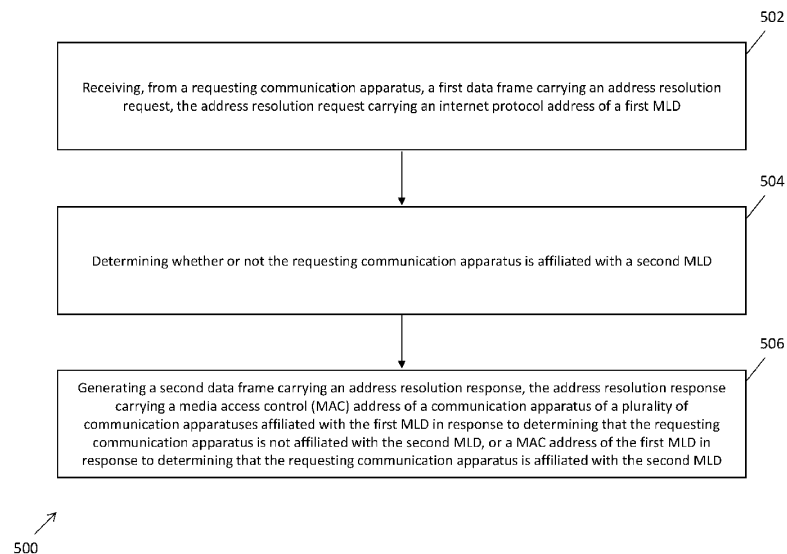


Fig. 5

(57) **Abstract:** The present disclosure provides communication apparatuses and methods for multi-link address resolution, the communication apparatus being a communication apparatus of a plurality of communication apparatuses affiliated with a first multi-link device (MLD) comprising: a receiver, which in operation, receives, from a requesting communication apparatus, a first data frame carrying an address resolution request, the address resolution request carrying an internet protocol address of the first MLD; circuitry, which in operation, determines whether or not the requesting communication apparatus is affiliated with a second MLD; and generates a second data frame carrying an address resolution response, the address resolution response carrying a media access control (MAC) address of the communication apparatus in response to determining that the requesting communication apparatus is not affiliated with the second MLD, or a MLD MAC address of the first MLD in response to determining that the requesting communication apparatus is affiliated with the second MLD.

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