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(54) **Title**: UPLINK POWER CONTROL IN A WIRELESS COMMUNICATION SYSTEM

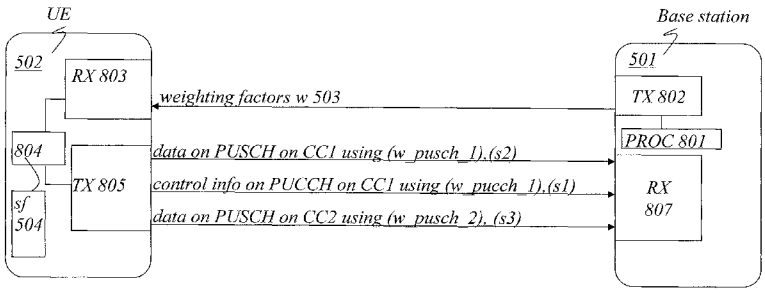


Fig. 5

(57) **Abstract**: The present invention relates to methods and arrangements for distributing UE transmit power between multiple UL component carriers, e.g. in situations where the UL component carriers reside in different bands or where data with different importance are scheduled onto the different component carriers and between the PUSCH and the PUCCH when those channels are transmitted simultaneou sly. To be able to control the distribution of the available transmit power of a UE between multiple UL component carriers and/or between PUCCH and PUSCH, individual power weighting factors to be used by the UE are configured by the eNB according to embodiments of the present invention. The power weighting factors are signaled to the UE accordingly and used by the UE to weight PUCCH and PUSCH and/ or different component carriers.

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