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(54) **Title**: METHOD AND APPARATUS FOR UPLINK ACK/NACK RESOURCE ALLOCATION

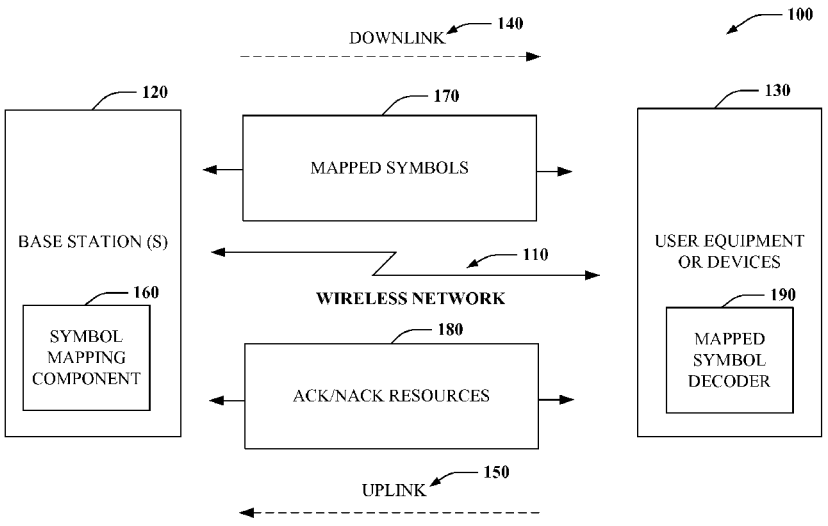


FIG. 1

(57) **Abstract**: A method is provided to allocate resources for wireless communications. The method includes grouping downlink control channels from multiple subframes and ordering the downlink control channels across downlink subframes having a first control channel element located in a first symbol map and associated with reserved resources for an uplink channel. The method employs a symbol first mapping or a mixed-symbol/subframe first mapping to efficiently allocate the resources.

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