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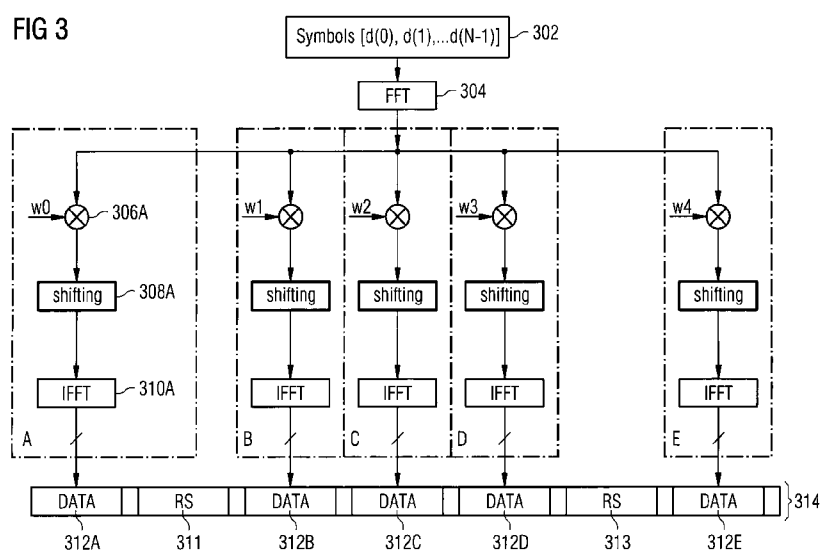
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## (54) Title: RANDOMIZATION OF BLOCK SPREAD SIGNALS

FIG 3



(57) Abstract: A user equipment locally stores a shift pattern that is specific to a cell to which the user equipment is currently attached, and processes a group of modulation symbols or bits for uplink transmission by a) cyclically shifting the modulation symbols or bits within the group according to the stored cell-specific shift pattern, and b) applying a spreading code to the group of symbols or bits. Different embodiments include spatial shifting and frequency bin shifting.