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(71) Applicant: **ELBIT SYSTEMS C4I AND CYBER LTD.**
[IL/IL]; 5 Hagavish Street, Poleg Zone, 4250705 Netanya
(IL).

(72) Inventor: **TSRUYA, Shalom**; C/O ELBIT SYSTEMS
LAND AND C4I LTD., 5 Hagavish Street, Poleg Zone,
4250705 Netanya (IL).

(74) Agent: **SHALEV, Asaf** et al.; S. J. Intellectual Property, 24
Hanagar St., 4527713 Hod Hasharon (IL).

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(54) Title: A RADIO TRANSCEIVER CONFIGURED FOR FULL DUPLEX COMMUNICATION OVER A COMMON FREQUENCY BAND AND AN ASSOCIATED METHOD

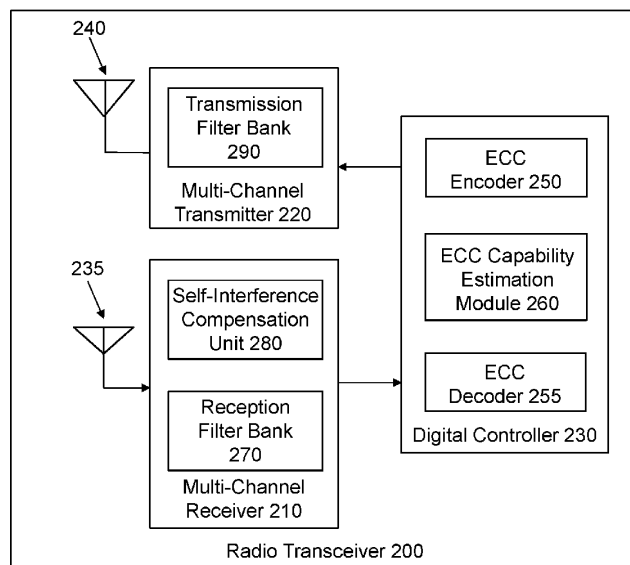


Fig. 2

(57) Abstract: A radio transceiver that includes a multi-channel receiver, a multi-channel transmitter and a controller is disclosed. The multi-channel receiver can be configured to concurrently receive first data frames, each including: (a) first data slots that are received over a first frequency channel that is variable between the first data slots, and (b) an error correction code (ECC). Concurrently, the multi-channel transmitter can be configured to transmit second data frames, each including second data slots that are transmitted over a second frequency channel that is variable between the second data slots, the first frequency channel and the second frequency channel being within a common frequency band. The controller can be configured to use the ECC of a respective first data frame of the first data frames to correct self-interference-based errors in the respective first data frame resulting from the transmission of one or more

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