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(US). **TOUZNI, Azzedine** [FR/US]; 3949 Swamp Road, Doyletown, PA 18901 (US).

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(74) Agent: **MIRABITO, A., Jason**; Mintz, Levin, Cohn, Ferris, Glovsky & Popeo, PC., One Financial Center, Boston, MA 02111 (US).

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(71) Applicant (*for all designated States except US*): **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Sunnyvale, CA 94085 (US).

(72) Inventors; and

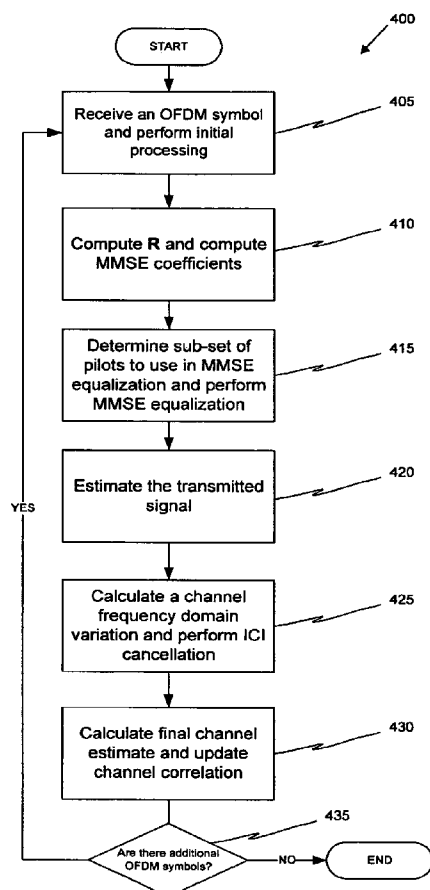
(75) Inventors/Applicants (*for US only*): **MA, Xiaoqiang** [CN/US]; 321 Monterey Place, Newtown, PA 18940

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(54) Title: OFDM CHANNEL ESTIMATION

FIG. 5



(57) Abstract: A receiver for receiving an orthogonal frequency division multiplexed (OFDM) digital video broadcast (DVB) signal including OFDM symbol sets including data symbols and pilot symbols transmitted using a plurality of sub-carriers, the OFDM DVB signal being transmitted toward the receiver via a transmission channel, the receiver including an input module configured to receive the OFDM DVB signal via the transmission channel, and a channel estimation module coupled to the input module and configured to calculate channel estimates of the transmission channel by performing Fourier transforms on the OFDM symbol sets to produce transformed symbol sets in the frequency domain and by performing minimum mean square error (MMSE) equalization on the transformed symbol sets using a sub-set of the pilot symbols in the OFDM DVB signal.

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