Turbo codec core

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Leuven, Belgium — T@MPO is a full-duplex turbo encoder/decider core optimized for wireless LAN (WLAN) and broadband applications. This core delivers a programmable 32- to 432-bit block size, a programmable code rate, up to 7 programmable decoding iterations, and an optional power-saving early stop criterion. The core also delivers an internal clock generator with PLL and power management. The codec achieves an internal clock of 170 MHz. Additionally, the codec offers less than 10-ms decoding latency and less than 10 nJ/bit energy consumption.

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