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(54) **TIMING ADVANCE COMPENSATION METHOD, BASE STATION, TERMINAL, AND STORAGE MEDIUM**

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(57) **ABSTRACT**

Embodiments of the present application provide a timing advance (TA) compensation method, a base station, a terminal, and a storage medium. The method includes by means of an interface between network devices, a target base station to which a target cell belongs transmits, to a source base station to which a source cell belongs, TA compensation related information used for a terminal to perform uplink transmission in the target cell. According to the embodiments of the present application, when a terminal performs cell handover, TA compensation related information used for the terminal to perform uplink transmission in a target cell is transmitted to the terminal, and the terminal may clearly and accurately determine a TA pre-compensation value used for the target cell to which the terminal is handed over, and reasonably perform TA compensation, to improve the cell handover success rate of the terminal and reducing handover delay.