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LIU et al.(10) **Pub. No.: US 2024/0178708 A1**(43) **Pub. Date: May 30, 2024**(54) **COIL ALIGNMENT METHOD AND CHARGING SYSTEM***H02J 50/40* (2006.01)*H02J 50/80* (2006.01)(71) Applicant: **HONOR DEVICE CO., LTD.**,
Shenzhen (CN)(52) **U.S. Cl.**CPC *H02J 50/90* (2016.02); *H02J 7/00034*
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50/402 (2020.01); *H02J 50/80* (2016.02)(72) Inventors: **Jian LIU**, Shenzhen (CN); **Haibin ZHOU**, Shenzhen (CN); **Chen ZHU**,
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ABSTRACT(21) Appl. No.: **17/797,236**(22) PCT Filed: **Feb. 9, 2022**(86) PCT No.: **PCT/CN2022/075713**

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Embodiments of this application provide a coil alignment method and a charging system. The method includes: obtaining, by an electronic device, coil adjustment information after the electronic device establishes communication with a charging device, the coil adjustment information including: at least one of coil offset information or bottom plate rotation information, the coil offset information being offset information of a first transmitting coil relative to a first receiving coil, and the bottom plate rotation information being rotation information of a bottom plate on the charging device relative to the electronic device; and sending, by the electronic device, a control instruction to the charging device, the control instruction carrying the coil adjustment information, so that the charging device adjusts the transmitting coil on the charging device according to the control instruction, to align the transmitting coil with the receiving coil in a longitudinal direction, thereby improving the charging efficiency.

