

**FEED APPARATUS, CURRENT COLLECTOR, AND POWER TRANSFER
APPARATUS OF THE MAGNETIC INDUCTION TYPE, CONSIDERING
LATERAL DEVIATION**

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ABSTRACT

An embodiment of the present invention relates to a feed apparatus, a current collector, and a power transfer apparatus of the magnetic induction type, considering lateral deviation. An embodiment of the present invention relates to a power transfer apparatus comprising a feed apparatus and a current collector wherein the feed

10 apparatus includes: a feed main unit having a predetermined width and length; a feed core forming a feed projection unit projected in the same direction and being perpendicular to both the width direction and the length direction at the left end and the right end of the width direction, with respect to a cutting side of the feed main unit in the width direction; and a pair of feed lines coiled respectively at the left end and the

15 right end of the feed main unit in a length direction of the feed core adjacent to the feed projection unit, and the current collector includes: a current collection main unit having a predetermined width and length; a current collection core having a current collection projection unit projected in the same direction and being perpendicular to both the width direction and the length direction at a left end and a right end of a width direction, with

20 respect to a cutting side of the current collection main unit in the width direction, and equipped with an extension unit extended toward each width direction in the current collection projection unit; and a current collection line coiled respectively at the left side and the right side of the current collection projection unit of the current collection core.

Figure 3A

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