

Title (en)

EDDY CURRENT SELECTION DEVICE AND EDDY CURRENT SELECTION METHOD

Title (de)

WIRBELSTROMAUSWAHLVORRICHTUNG SOWIE WIRBELSTROMAUSWAHLVERFAHREN

Title (fr)

DISPOSITIF DE SÉLECTION À COURANT DE FOUCAULT ET PROCÉDÉ DE SÉLECTION À COURANT DE FOUCAULT

Publication

**EP 3165293 A1 20170510 (EN)**

Application

**EP 15814598 A 20150305**

Priority

- JP 2014137349 A 20140703
- JP 2015056456 W 20150305

Abstract (en)

An eddy current separation apparatus includes: a rotating magnetic circular plate having a plurality of permanent magnets with alternating polarity, the magnets arranged in a circumferential direction; a palette arranged next to the rotating magnetic circular plate with a clearance; an actuator section having a rotating shaft fixed with the rotating magnetic circular plate; a feed section containing a product to be separated and supplying a predetermined quantity of the product to be separated to the palette; a discharge section having two containers for recycling and collecting the product to be separated supplied from the feed section to the palette in the containers for recycling; and a control unit controlling the rotating magnetic circular plate, the actuator section, the feed section and the discharge section; wherein the eddy current separation apparatus performs: a first step in which the feed section supplies a predetermined quantity of the product to be separated to the palette, a second step in which the discharged section is switched to the open position from the closed position after the first step is finished and a fixed time is passed, and a third step in which the discharged section is switched to the closed position after the second step has been finished, further wherein the eddy current separation apparatus performs from a first step to a third step again after the third step has been finished.

IPC 8 full level

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CPC (source: EP)

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