

Title (en)

APPARATUS AND METHOD FOR SEPARATING PARTICLES HAVING A DIFFERENT ELECTRIC CONDUCTIVITIES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR TRENNUNG VON UNTERSCHIEDLICH ELEKTRISCH LEITFÄHIGEN PARTIKELN

Title (fr)

APPAREIL ET MÉTHODE DE SÉPARATION DE PARTICULES AVEC DIFFÉRENTES CONDUCTIVITÉS ÉLECTRIQUES

Publication

**EP 2506978 B1 20140827 (DE)**

Application

**EP 10785440 A 20101206**

Priority

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Abstract (en)

[origin: WO2011067402A1] The invention relates to a device for separating particles of a product to be sorted that have different electric conductivity, comprising an eddy current separator, a rotating magnet system, a rotational axis, and a transport unit on which the product to be sorted comprising particles having different electric conductivity runs through a magnetic field generated by the magnet system in a transport direction. The rotational axis of the magnet system forms an angle of more than 0° and less than 90° relative to the transport direction of the transport unit. The rotational direction of the magnet system about the rotational axis thereof is oriented such that the particles of the product to be sorted that are captured and affected by the magnetic field are subjected to a movement pulse counter to the transport direction of the transport unit.

IPC 8 full level

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CPC (source: EP)

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Cited by

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