

Title (en)

A rotating sieving apparatus with a number of sieving surfaces each of which is subdivided into a number of concentric rings with reversible and continuously regulatable angular-velocities.

Title (de)

Umlaufendes Sieb mit einer Anzahl von Siebflächen die jeweils in mehrere umsteuerbare und mit kontinuierlich regelbaren Winkelgeschwindigkeiten umlaufende konzentrische Ringe unterteilt sind.

Title (fr)

Tamis rotatif avec une pluralité de surfaces de tamisage dont chacune est divisée en plusieurs anneaux concentriques ayant des vitesses angulaires réversibles et réglables en continu.

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Application

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Priority

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Abstract (en)

The invention relates to rotatable sieving apparatus for separating a mixture of at least one fine and one coarse component, comprising a number of sieving-surface (1,2) arranged on the same rotatable shaft (5) one above another and of which at least the outermost ones have the form of a conical mantle the apex of which is directed downward and in which one or more conical collecting vessels for the fine components are arranged under the sieving-surfaces, in which a conical divider (26) with an upwardly directed apex is arranged in the centre of each sieving-surface and in which the supply means for the mixture to be separated is located in the vicinity of the centre with the aid of a height-adjustable inlet-pipe arranged above the conical divider and the diameter of which inlet-pipe is equal to the diameter of the base of the conical divider. This type of sieving apparatus has as special characteristic that each sieving-surface is subdivided into an annular centre portion(1) in the form of a conical mantle-surface with an upwardly directed apex which follows up the divider(26) radially and with a reversible direction-of-rotation (d1) and an independent continuously-regulatable angular-velocity(w1) and a number of concentric members (2) arranged to extend radially outward one outside of another each having the form of a truncated conical mantle the apexes of which are directed downward and each of which has a reversible direction-of-rotation(d2,dn) and an independent continuously regulatable angular-velocity(w2dn).

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] GB 308530 A 19290328 - OTTO WIENCKE
- [A] DE 2723242 A1 19771215 - COOP LANDBOUW AAN VERKOOP
- [AD] DE 440697 C 19270212 - OTTO WIENCKE
- [A] EP 0090471 A1 19831005 - COOP LANDBOUW AAN VERKOOP [NL], et al
- [A] EP 0027296 B1 19830713

Cited by

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