

Title (en)

Apparatus for separating heavy particles from a flow of fiber material.

Title (de)

Vorrichtung zum Abscheiden schwerer Partikel von einem Strom mit faserigem Material.

Title (fr)

Dispositif de séparation de particules lourdes d'un flux de matières fibreuses.

Publication

EP 0599088 A1 19940601 (EN)

Application

EP 93117644 A 19931030

Priority

SE 9203535 A 19921125

Abstract (en)

An apparatus for separating heavy particles from an airborne flow of fiber material at the manufacture of fibreboard according to the dry method. The apparatus comprises a vertical cylindric chamber (10) with an inlet (11) for ingoing fiber material and separate outlets (13 and, respectively, 14) for fibers and heavy particles in the top and, respectively, in the bottom of the chamber (10). At least one duct (16) is connected to the bottom of the chamber (10) for the supply of a continuous base flow of air upward through the chamber at such a rate, that it can carry the fibers but not the heavy particles. The inlet (11) for the fiber material is directed upward and centrally located in the lower portion of the chamber (10) above the supply duct (16) for the base flow. A plane horisontal retardation member (12) is provided in connection to the inlet (11) for the fiber material so as to stop the vertical speed of the ingoing fiber flow and to deflect and distribute the fiber flow outward. <IMAGE>

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