

Title (en)
A PROCESS FOR CONTINUOUS DISINTEGRATION AND/OR DRYING OF MATERIALS, SUCH AS PASTE, SLUDGE, PRESS CAKE, FILTER CAKE OR THE LIKE, PARTICULARLY FIBROUS MATERIALS AND AN APPARATUS FOR CARRYING OUT THE PROCESS.

Title (de)
VERFAHREN ZUR KONTINUIERLICHEN DESINTEGRATION UND/ODER TROCKNUNG VON SUBSTANZEN WIE PASTE, SCHLAMM, PRESSRÜCKSTÄNDE, FILTERKUCHEN UND DERGLEICHEN, INSBESONDERE FASERARTIGE MATERIALIEN UND ANLAGE ZUR DURCHFÜHRUNG DES VERFAHRENS.

Title (fr)
PROCEDE POUR LA DESINTEGRATION ET/OU LE SECHAGE EN CONTINU DE MATIERES TELLES QUE PATE, BOUE, TOURTEAU, GATEAU DE FILTRE OU SIMILAIRE, NOTAMENT DE MATIERES FIBREUSES, ET APPAREIL POUR LA MISE EN UVRE DU PROCEDE.

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Abstract (en)
[origin: WO9212796A1] In a processing chamber (12) having a subjacent blast box (16) a continuous supply of drying gas and of the material to be processed, a short-term intensive disintegration and drying of the material as well as removal of a finished fraction thereof together with the exhaust gas (6) are carried out. By means of a drop of gas pressure across the chamber (12) and a blade means (18) arranged between the chamber and the blast box the drying gas is fed into the chamber with a great rate of speed as a fast rotating turbulent gas flow. An intensive agitation, mixing and further disintegration of the material are provided by a coaxially arranged, rotatable disintegrator (20) having disintegrator means (34) extending above the blade means. The blade means (18) is arranged with its inlet opening (36) in flow connection with the blast box (16) and its outlet leading to an annular area (38) of the processing chamber defined by the chamber wall at the bottom thereof.

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