

Title (en)

Device for kneading high consistency pulp

Title (de)

Vorrichtung zum Kneten von hochkonsistentem Faserstoff

Title (fr)

Dispositif pour le pétrissage d'une pulpe à consistance élevée

Publication

**EP 0806518 A1 19971112 (DE)**

Application

**EP 97104827 A 19970321**

Priority

DE 19618886 A 19960510

Abstract (en)

An apparatus for working highly consolidated fibre pulp has at least two kneading tools (1, 1') which move relative one to another, are symmetrical about a common axis of rotation and have rows of teeth (2, 2') and inter-tooth gaps arranged in ring-shapes. At least one row of one kneading tool projects into at least one empty annular space between rows in the other. At least some of the teeth have a leading side which is bevelled to cause the pulp to be deflected, due to relative movement between pulp and bevel, into the supply direction (T) resulting from passage of pulp through the apparatus. At least some teeth on the reverse side of the apparatus are likewise bevelled in such a way that the difference between the bevel angle ( $\alpha_1$ ) on the leading face and that ( $\alpha_2$ ) on the reverse is at least 5 degrees and at least some teeth can be loosened, turned and fixed again to interchange leading and reverse tooth sides.

Abstract (de)

Die Vorrichtung dient zum Kneten von hochkonsistentem Faserstoff, wie er z.B. aus wiederaufgelöstem Altpapier gebildet wird. Die zu dieser Vorrichtung gehörenden Knetwerkzeuge (1, 1') weisen Zähne (2, 2') auf, welche an ihrer Vorderseite und an ihrer Rückseite jeweils mit schrägen Flächen versehen sind, die in einem Winkel ( $\alpha_1$  bzw.  $\alpha_2$ ) zur Stofftransportrichtung (T) innerhalb der Knetvorrichtung stehen. Erfindungsgemäß können die Zähne (2, 2') einzeln oder gruppenweise gewendet werden, so daß Vorder- und Rückseite miteinander vertauschbar sind. <IMAGE>

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