

Title (en)
Method for the recovery and processing of fibers from hollow stalk plants.

Title (de)
Verfahren zur Gewinnung und Aufbereitung von Hohlstengelpflanzenfasern.

Title (fr)
Procédé pour la récupération et le traitement des fibres de plantes à tige creuse.

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Application
EP 94810361 A 19940620

Priority
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Abstract (en)
Methods are described for the removal of core particles, fiber bundles and fines from a fibrous starting material obtained from hollow stalk plants such as kenaf, by field drying, chopping and coarse comminution of the plant stalks and subsequent summary removal of core particles. The material is pulped in hot water, and fine, lightweight fibers, other fines and residual core particles are separated from this first pulp. A fibrous pulp is recovered wherein the fibers include less than 10%, preferably less than 5 % by weight of non-fibrous materials. The separation of unwanted constituents may also be achieved by air classifying the plant material pretreated as above, in a special, vertical multistage wind sifter. The fibers which are obtained in a substantially uncontaminated state are useful as the sole fiber component or as reinforcing fibers in sheet materials such as mulch sheets, paper, cardboard, construction panels and packaging materials, etc. <IMAGE>

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D21B 1/02

IPC 8 full level
D21B 1/02 (2006.01)

CPC (source: EP)
D21B 1/025 (2013.01)

Citation (search report)

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