

Title (en)  
Process for wet screening fibrous suspensions

Title (de)  
Verfahren zum Nasssieben von Faserstoffsuspensionen

Title (fr)  
Procédé de tammissage humide de suspensions fibreuses

Publication  
**EP 1357222 A1 20031029 (DE)**

Application  
**EP 03003474 A 20030215**

Priority  
DE 10217926 A 20020423

Abstract (en)  
In a waste paper or carton recovery process pre-used material is chopped and soaked in water to form a fibrous suspension (S) from which foreign bodies are removed by sieve (1) filtration. The sieve apertures (3) are esp. elongated holes between 1 and 8 mm wide, pref. 1-3 mm. The fibres are driven through the apertures by the action of a wiper blade (4). The sieve is a cylindrical drum with an interior feed of suspended fibres used in association with a print pre-sorting assembly. The hole (3) ratio of length to width is pref. between 2 and 10. The holes are approx. separated by intervals of 1-6 mm. The blade sweeps the holes at an angle of approx. 75degrees to the direction of travel.

Abstract (de)  
Das Verfahren dient zum Nasssieben von Faserstoffsuspensionen (S). Dabei wird ein Sieb (1) verwendet, dessen Sieböffnungen (3) als Langlöcher ausgebildet sind mit einer Lochweite (W) zwischen 1 und 8 mm, vorzugsweise zwischen 1 und 3 mm. In besonderen Ausführungsformen werden Siebe mit Langlöchern verwendet, die in Bewegungsrichtung (5) eines der Siebfreihaltung dienenden Räumers (4) ausgerichtet sind. <IMAGE>

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IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)

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