

Title (en)  
DEVICE FOR OPENING FLOCCULENT FIBROUS MATERIAL.

Title (de)  
VORRICHTUNG ZUM ÖFFNEN VON FLOCKENFÖRMIGEM FASERGUT.

Title (fr)  
DISPOSITIF POUR L'OUVERTURE D'UNE MATIERE FIBREUSE FLOCONNEUSE.

Publication  
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Application  
**EP 92905486 A 19920217**

Priority  
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Abstract (en)  
[origin: US5437080A] PCT No. PCT/DE92/00119 Sec. 371 Date Aug. 20, 1993 Sec. 102(e) Date Aug. 20, 1993 PCT Filed Aug. 20, 1993 PCT Pub. No. WO92/14872 PCT Pub. Date Sep. 3, 1992. A device for opening flocculent fibrous materials, including a housing and a supply connection pipe having an end extending into a lower portion of the housing for introducing into the housing a negative pressure transport air current conveying fiber flocks. A hollow cylinder is provided that has one end connected to the end of the supply connection pipe, an open end opposite to the one end, and a diameter larger than a diameter of the end of the supply connection pipe. The hollow cylinder forms an annular chamber within the housing. The device further includes a discharge connection pipe connectable to the housing for discharging the fibrous material. The housing, supply connection pipe, hollow cylinder and discharge connection pipe collectively define a pneumatic conveying path for the fibrous material. Additionally provided is a drivable opening disc disposed within the housing and positioned at a distance from and parallel to the open end of the hollow cylinder to extend across the open end. The disc includes a plurality of pointed spikes each projecting towards the hollow cylinder for processing material as it is conveyed along the pneumatic conveying path.

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IPC 8 main group level  
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**US 5437080 A 19950801**; AT E116011 T1 19950115; AU 1272492 A 19920915; AU 660961 B2 19950713; CA 2104117 A1 19920821; CN 1036409 C 19971112; CN 1064322 A 19920909; DE 4105189 A1 19920827; DE 4105189 C2 19950223; DE 59201027 D1 19950202; DE 9104369 U1 19910926; DK 0572495 T3 19950606; EP 0572495 A1 19931208; EP 0572495 B1 19941221; ES 2069993 T3 19950516; NO 932929 D0 19930818; NO 932929 L 19930818; PL 169078 B1 19960531; PT 100131 A 19940429; TR 27150 A 19941109; WO 9214872 A1 19920903

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