

Title (en)  
Process and apparatus to disperse a paper fibers slurry

Title (de)  
Verfahren und Vorrichtung zur Dispergierung eines Papierfaserstoffes

Title (fr)  
Procédé et appareil pour disperser une pulpe de fibres de papier

Publication  
**EP 0886001 B1 20020703 (DE)**

Application  
**EP 98101955 A 19980205**

Priority  
DE 19712653 A 19970326

Abstract (en)  
[origin: US2001015389A1] Process and device for dispersing a fibrous paper web which comprises a substantially consistent fibrous paper material. The device includes an inlet for fibrous paper material, a stationary stator, and at least one rotatable rotor. The stator and the at least one rotor form a pulverizing zone including a pulverizing element located near the inlet for the fibrous paper material, the pulverizing element including least one of scrapers and knives for pulverizing the fibrous material into a fine, friable material; a vapor chamber forming a ring about the pulverizing zone, the vapor chamber being for calefying the fine, friable material formed by the pulverizing element; and a dispersing zone including at least one row of teeth on the stator and at least one row of teeth on the at least one rotor which can be moved relative to the at least one row of teeth of the stator.

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**D21D 1/30**; **D21B 1/14**

IPC 8 full level  
**D21B 1/14** (2006.01); **D21D 1/30** (2006.01); **B01F 23/57** (2022.01)

CPC (source: EP US)  
**B01F 23/56** (2022.01 - EP); **B01F 27/271** (2022.01 - EP US); **B01F 33/83612** (2022.01 - EP); **B01F 35/71775** (2022.01 - EP US); **D21B 1/14** (2013.01 - EP US); **D21D 1/006** (2013.01 - EP US); **D21D 1/30** (2013.01 - EP US); **B01F 23/56** (2022.01 - US); **B01F 23/57** (2022.01 - EP US); **B01F 27/2711** (2022.01 - EP US); **B01F 27/60** (2022.01 - EP US); **B01F 33/83612** (2022.01 - US); **B01F 2025/9121** (2022.01 - EP US); **B01F 2101/47** (2022.01 - EP US)

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**US 2001015389 A1 20010823**; **US 6634583 B2 20031021**; AT E220140 T1 20020715; DE 19712653 A1 19981001; DE 19712653 C2 20021024; DE 59804634 D1 20020808; EP 0886001 A1 19981223; EP 0886001 B1 20020703; NO 312683 B1 20020617; NO 981018 D0 19980309; NO 981018 L 19980928; US 6250573 B1 20010626

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