

Title (en)  
Process and device for producing nonwovens

Title (de)  
Vorrichtung und Verfahren zur Vliesbildung

Title (fr)  
Procédé et installation pour la formation de non-tissés

Publication  
**EP 1493854 B1 20060322 (DE)**

Application  
**EP 04013153 A 20040603**

Priority  
DE 10329648 A 20030701

Abstract (en)  
[origin: EP1493854A1] An assembly (K) converts loose fibres into a non-woven web of varying thickness. The assembly has an all-steel opening cylinder (1) with air-driven fibre discharge to a sieve belt (9) that progressively accumulates fibres. The assembly further has a speed controller that alters the sieve belt speed with respect to the drum speed of rotation. The fibres are discharged by the sieve belt to a cross-layer fibre release arm that converts loose pile fibre to a fleece web. The control system regulates sieve belt speed in proportion to the cross-layer fibre release arm motion. Also claimed a commensurate process to produce a non-woven fibre web.

IPC 8 full level  
**D01G 25/00** (2006.01); **D04H 1/74** (2006.01)

CPC (source: EP)  
**D01G 25/00** (2013.01); **D04H 1/74** (2013.01)

Cited by  
CN106894117A; DE202014100908U1; EP3450603A1; US11519111B2; US10443155B2

Designated contracting state (EPC)  
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