

Title (en)

Device for detecting neps in carded fibrous textile material.

Title (de)

Vorrichtung zum Detektieren von Nissen in kardierte, textilen Fasermaterial.

Title (fr)

Dispositif pour la détection de boulochage dans un matériau textile fibreux cardé.

Publication

**EP 0331039 B1 19941214 (DE)**

Application

**EP 89103275 A 19890224**

Priority

CH 78588 A 19880302

Abstract (en)

[origin: EP0331039A2] The device comprises an illuminator (12-14) and an optical system (16) to create an optical image of the card web (1) on an array of photosensors (17). Provided the sensor area is sufficiently small, neps create a typical time-course in the illumination intensity, which can be utilised to detect them. The neps are not removed, but their frequency provides indications of possible deficiencies of the carding machine or of the upstream fibre-opening machines. <IMAGE>

IPC 1-7

**D01G 31/00**; **G01N 33/36**; **G01N 21/89**; **D01G 15/10**

IPC 8 full level

**G01N 21/89** (2006.01); **D01G 31/00** (2006.01); **G01N 21/898** (2006.01)

CPC (source: EP US)

**D01G 31/003** (2013.01 - EP US)

Cited by

GR960100271A; DE19604499B4; EP0604875A3; CN108796681A; EP0452676A1; US5181295A; US5361458A; DE19514039A1; US5642553A; DE19514039B4; EP0738792A1; FR2732980A1; NL1002871C2; US5692267A; DE102019115138B3; CN113853457A; WO2020244867A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**CH 669401 A5 19890315**; DE 58908750 D1 19950126; EP 0331039 A2 19890906; EP 0331039 A3 19910320; EP 0331039 B1 19941214; JP H01272947 A 19891031; US 4953265 A 19900904

DOCDB simple family (application)

**CH 78588 A 19880302**; DE 58908750 T 19890224; EP 89103275 A 19890224; JP 5095489 A 19890302; US 31729989 A 19890301