

Title (en)

DUST-REMOVING PROBE FOR MOVING WEBS, ESPECIALLY FOR PAPER WEBS

Publication

**EP 0245526 B1 19890426 (DE)**

Application

**EP 86105867 A 19860429**

Priority

EP 86105867 A 19860429

Abstract (en)

[origin: EP0245526A1] 1. Probe for the removal of dust from moving web members, preferably of paper, with at least one electrostatic high-voltage electrode and at least one blow nozzle for gas, preferably air, arranged opposed to the direction of movement of the web member, and a suction channel for the dust-bearing gas, characterized in that the pointed or blade-like individual electrodes of the high-voltage electrode (10) lie in a first plane nor parallel to the web member (7), that the direction of blowing of the row of individual nozzles (12) embodied in the shape of points and/or slits of the blow nozzle (11) lies in a second plane, that the blow nozzle (11) lies in the direction of movement (8) of the web member (7) behind the first high-voltage electrode (10), that the first and the second planes intersect in a straight line that lies in the plane of the web member (7) and runs across the latter, and that the point- and/or slit-shaped channel openings (14) of the suction channel (13) are arranged in the direction of movement (8) in front of the high-voltage electrode.

IPC 1-7

**B03C 3/14**; **B03C 3/32**; **B03C 3/38**; **B41F 23/00**

IPC 8 full level

**B03C 3/145** (2006.01); **B03C 3/32** (2006.01); **B03C 3/38** (2006.01); **B08B 5/00** (2006.01); **B08B 6/00** (2006.01); **B41F 23/00** (2006.01); **B65H 20/10** (2006.01); **B65H 23/00** (2006.01)

CPC (source: EP US)

**B03C 3/145** (2013.01 - EP US); **B03C 3/32** (2013.01 - EP US); **B03C 3/38** (2013.01 - EP US); **B08B 5/00** (2013.01 - EP US); **B08B 6/00** (2013.01 - EP US); **B41F 23/002** (2013.01 - EP US)

Cited by

DE102016119055A1; DE10211309A1; US6148831A; DE3820931A1; DE4124672A1; EP1852192A3; GB2372962A; GB2372962B; GB2315242A; GB2315242B; DE10004305A1; EP0565811A1; EP0520145A1; DE4102276C1; DE102005043676A1; EP1724386A1; CN1082849C; DE10206890B4; EP0395864A3; EP1108537A3; DE102007052573A1; DE102012109200A1; DE102007052573B4; DE102012109200B4; US10969728B2; EP1344578A2; US6912942B2; WO9112095A1; WO9607490A1

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