

Title (en)

Cleaning machine for textile fibres.

Title (de)

Reinigungsmaschine für Textilfasern.

Title (fr)

Machine de nettoyage pour fibres textiles.

Publication

EP 0447966 B1 19940921 (DE)

Application

EP 91103939 A 19910314

Priority

CH 96790 A 19900323

Abstract (en)

[origin: EP0447966A1] The machine possesses a horizontal roller (1) which is equipped with beating pins (3) and under the underside of which bar grids (4, 5) are arranged. Above the top side of the roller (1) open out at one end of the latter an inlet line (9) and at the other end an outlet line (10) for a stream of conveying air transporting the textile fibres in flock form. Obliquely set guide plates (11) are arranged above the top side of the roller (1) between the mouths of the inlet line (9) and of the outlet line (10). The guide plates (11) limit transfer chambers which move the stream of conveying air further in the direction of the axis of the roller (1). The transfer chambers are connected to an air-permeable and dust-permeable wall (30) which is provided on the right-hand side of the machine, as seen in the Figure, and which is part of a vacuum chamber (20). The machine can consequently separate out of the stream of fibre flocks not only coarser impurities through the bar grids (4, 5), but also fine dust-like impurities which are sucked through the air-permeable and dust-permeable wall (30) into the vacuum chamber (20) and then into the suction line (15). <IMAGE>

IPC 1-7

D01G 9/08; **D01G 9/20**

IPC 8 full level

D01G 9/04 (2006.01); **D01G 9/08** (2006.01); **D01G 9/10** (2006.01); **D01G 9/20** (2006.01)

CPC (source: EP US)

D01G 9/04 (2013.01 - EP US); **D01G 9/08** (2013.01 - EP US); **D01G 9/20** (2013.01 - EP US)

Cited by

DE19630018A1; CN105714414A; EP2336405A1; US11794211B2; WO2017202397A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0447966 A1 19910925; **EP 0447966 B1 19940921**; CH 681457 A5 19930331; DE 59102981 D1 19941027; JP 2911618 B2 19990623; JP H04214418 A 19920805; US 5319830 A 19940614

DOCDB simple family (application)

EP 91103939 A 19910314; CH 96790 A 19900323; DE 59102981 T 19910314; JP 5466591 A 19910319; US 67330391 A 19910322