

Title (en)

Abrasive article containing helically crimped fibers

Title (de)

Schleifmittel mit darin enthaltenen helixartig geschrumpften Fasern

Title (fr)

Article abrasif contenant des fibres rétrécies hélicoïdales

Publication

EP 0287286 B1 19960605 (EN)

Application

EP 88303149 A 19880408

Priority

US 3806287 A 19870414

Abstract (en)

[origin: EP0287286A2] This invention relates to articles for cleaning, buffing, conditioning, or restoring surfaces. Abrasive articles made from nonwoven fibers have long been used for cleaning floors and other surfaces. Although previously known nonwoven abrasive articles are extremely useful for the purposes for which they are intended, they rapidly lose their efficiency as they become saturated with dirt. This invention provides an abrasive article comprising an open, lofty nonwoven web comprising helically crimped synthetic organic fibers. The article can optionally contain stuffer box crimped fibers and melt bondable fibers. The presence of helically crimped fibers brings about greater durability and greater capacity for absorbing debris.

IPC 1-7

B24D 11/00; **B24D 15/04**; **A47L 13/16**

IPC 8 full level

B24D 11/00 (2006.01); **B24D 13/12** (2006.01)

CPC (source: EP KR)

B24D 11/001 (2013.01 - EP); **B24D 11/02** (2013.01 - KR)

Cited by

US5874160A; EP1008420A3; US5712210A; AU702066B2; CN1076652C; US6207246B1; CN110546319A; US11794307B2; WO9707937A3; WO9615878A1; WO9609915A1; WO2018198004A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0287286 A2 19881019; **EP 0287286 A3 19901122**; **EP 0287286 B1 19960605**; AU 1330188 A 19881020; AU 593984 B2 19900222; BR 8801726 A 19881116; CA 1321073 C 19930810; DE 3855339 D1 19960711; DE 3855339 T2 19970116; ES 2087060 T3 19960716; JP S63278766 A 19881116; KR 880012310 A 19881126; KR 970003494 B1 19970318; MX 167892 B 19930421; ZA 881967 B 19891129

DOCDB simple family (application)

EP 88303149 A 19880408; AU 1330188 A 19880318; BR 8801726 A 19880412; CA 561471 A 19880315; DE 3855339 T 19880408; ES 88303149 T 19880408; JP 9121988 A 19880413; KR 880004159 A 19880413; MX 1109188 A 19880412; ZA 881967 A 19880318