

Title (en)

Device having a nozzle manifold generating liquid jets for treating fibers on a textile web

Title (de)

Vorrichtung mit einem Düsenbalken zur Erzeugung von Flüssigkeitsstrahlen zur Strahlbeaufschlagung der Fasern einer Warenbahn

Title (fr)

Dispositif pourvu d'un support de buses produisant des jets de liquide destinés à traiter des fibres d'une bande textile

Publication

**EP 1053792 A3 20050202 (DE)**

Application

**EP 00110695 A 20000519**

Priority

DE 19923591 A 19990521

Abstract (en)

[origin: EP1053792A2] The jet bar has an upper and a lower section, a pressure chamber for pressurized water etc., and a jet plate with jet bores. collection device for water coming from the underside of the bar is formed as a suction tube (4) with suction slot (12), located along the lower edge (14) of the nozzle bar (2). The tube except for the slot, is closed air-tight, and its interior is connecte a suction pump etc. The suction slot has a height of 1-10mm, pref. 2mm, and a funnel shaped collector (11) on the underside of t jet bar is connected to it.

IPC 1-7

**B05B 15/04**; **B05C 5/02**; **B05C 11/10**; **D04H 1/46**

IPC 8 full level

**B05B 13/02** (2006.01); **B05B 14/00** (2018.01); **B05B 14/20** (2018.01); **B05B 15/04** (2006.01); **D04H 18/04** (2012.01)

CPC (source: EP US)

**B05B 13/0207** (2013.01 - EP US); **B05B 14/00** (2018.01 - EP US); **B05B 14/20** (2018.01 - EP US); **D04H 5/02** (2013.01 - EP US); **D04H 18/00** (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US)

Citation (search report)

- [A] US 4691417 A 19870908 - VUILLAUME ANDRE [FR]
- [A] US 4984340 A 19910115 - NAGATSUKA YOSHIHIRO [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 226 (C - 1194) 25 April 1994 (1994-04-25)

Cited by

DE102010004172A1; EP1908855A1; EP1876278A1; US8418330B2; DE202008004650U1; WO2008067790A1

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**EP 1053792 A2 20001122**; **EP 1053792 A3 20050202**; **EP 1053792 B1 20061011**; AT E342134 T1 20061115; DE 19923591 A1 20001123; DE 50013585 D1 20061123; ES 2273635 T3 20070516; US 6457335 B1 20021001

DOCDB simple family (application)

**EP 00110695 A 20000519**; AT 00110695 T 20000519; DE 19923591 A 19990521; DE 50013585 T 20000519; ES 00110695 T 20000519; US 57449600 A 20000519