

Title (en)

Gas-liquid dye-spraying apparatus

Title (de)

Vorrichtung zum Sprühen einer Gas-Färbeflüssigkeitsmischung

Title (fr)

Dispositif pour pulvériser un mélange gaz-liquide de teinture

Publication

**EP 1418264 A3 20050518 (EN)**

Application

**EP 03024904 A 20031028**

Priority

CN 02137678 A 20021029

Abstract (en)

[origin: EP1418264A2] A gas-liquid dye-spraying apparatus (20) including at least one set of siphon-type nozzles (22,23) disposed on each of the upper and lower sides of the spraying passage (200) in the dyeing machine. The nozzles (22,23) eject strong wind to stably siphon the dye. The dye is more evenly atomized and distributed so as to achieve better evenness of dyeing. The wind pressure and the mixing ratio of the air to the dye can be independently and mobilely regulated. Therefore, the cloth (70) can be better guided and circulated. Also, the consumption of the dye is reduced.  
<IMAGE>

IPC 1-7

**D06B 3/28**; D06B 1/02

IPC 8 full level

**D06B 3/28** (2006.01)

CPC (source: EP)

**D06B 3/28** (2013.01)

Citation (search report)

- [A] US 5850651 A 19981222 - ISHIMARU OSAMU [JP], et al
- [A] EP 1241289 A1 20020918 - TENG CHIN-LIN [TW]
- [A] EP 0945538 A1 19990929 - T H E N MASCHINEN UND APPARATE [DE]
- [A] US 5775136 A 19980707 - CHAO-CHENG CHIANG [TW]
- [A] US 5014525 A 19910514 - BENE ARMAND [FR]

Cited by

EP2594673A4; CN102828367A; CN111155250A; CN108842332A; CN113737413A; WO2018056935A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1418264 A2 20040512**; **EP 1418264 A3 20050518**; CN 1193127 C 20050316; CN 1493729 A 20040505

DOCDB simple family (application)

**EP 03024904 A 20031028**; CN 02137678 A 20021029