

Title (en)  
Nozzle for jet fabric dyeing machine

Title (de)  
Düse für Jetfärbemaschine für Stoffe

Title (fr)  
Buse pour machine de teinture de tissus par jets

Publication  
**EP 1988205 A1 20081105 (EN)**

Application  
**EP 07251840 A 20070502**

Priority  
EP 07251840 A 20070502

Abstract (en)  
A nozzle assembly (10) for a jet fabric dyeing machine (1) comprises a tubular nozzle member through which fabric travels, the nozzle member defined by four side walls (26) and having a rectangular cross-section, and a nozzle gap (24) in a side wall (26A) of the nozzle member through which a jet of fluid can be applied to fabric in the nozzle member to propel the fabric along a travel path (T). An entry end (29) of the nozzle member has a decreasing cross-section to funnel fabric into the nozzle member, and an exit end (30) of the nozzle member has a rectangular guide tube (3) of expanding cross-section terminating in a fan-shaped trough (32). A fluid diverter (25, 27) intercepts part of the fluid jet and delivers it to a different side of the fabric.

IPC 8 full level  
**D06B 3/28** (2006.01)

CPC (source: EP KR)  
**D06B 3/20** (2013.01 - KR); **D06B 3/24** (2013.01 - KR); **D06B 3/28** (2013.01 - EP KR)

Citation (applicant)  
• GB 2246372 A 19920129 - LIU CHING YUN  
• US 5184486 A 19930209 - MURAI NAOBUMI [JP], et al  
• US 4019351 A 19770426 - MIZUTANI HIROSHI, et al  
• US 4143527 A 19790313 - TRULLAS ISIDRO F  
• US 4489575 A 19841225 - ARASHI MASAHIRO [JP]  
• US 5014525 A 19910514 - BENE ARMAND [FR]

Citation (search report)  
• [X] GB 2246372 A 19920129 - LIU CHING YUN  
• [X] US 5184486 A 19930209 - MURAI NAOBUMI [JP], et al  
• [X] US 4019351 A 19770426 - MIZUTANI HIROSHI, et al  
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• [X] US 4489575 A 19841225 - ARASHI MASAHIRO [JP]

Cited by  
DE102013110492A1; DE102013110492B4; WO2024100426A1

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DE TR

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AL BA HR MK RS

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DE 602007004078 D1 20100211; KR 20080097901 A 20081106; TW 200844289 A 20081116; TW I363823 B 20120511

DOCDB simple family (application)  
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