

Title (en)  
Jet fabric dyeing machine

Title (de)  
Jetfärbemaschine für Stoffe

Title (fr)  
Machine de teinture à jet pour tissus

Publication  
**EP 1972712 A1 20080924 (EN)**

Application  
**EP 07251255 A 20070323**

Priority  
EP 07251255 A 20070323

Abstract (en)  
A fabric dyeing machine (3) comprises a travelling tube (39), a storage chamber (36) in communication with both ends of the travelling tube to form an endless travel path for an endless fabric rope (34), a nozzle (38) operable to propel an endless fabric rope around the travel path by directing jets of dye liquor onto the endless fabric rope; and an outer vessel (35) enclosing both the storage chamber (36) and the travelling tube (39). The outer vessel (35) may define the storage chamber, with the travelling tube located inside the outer vessel. The travelling tube (39) and/or the storage chamber (36) may be elongate and arranged along a slope at a few degrees to the horizontal, for example 3 to 5 degrees. A second travelling tube and nozzle can share the storage chamber to give a second endless travel path for the second endless fabric rope.

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

CPC (source: EP KR)  
**D06B 3/20** (2013.01 - KR); **D06B 3/28** (2013.01 - EP KR); **D06B 23/042** (2013.01 - EP)

Citation (search report)

- [X] US 3762189 A 19731002 - MARSH F, et al
- [X] FR 2178534 A5 19731109 - ARGELICH TERMES & CO [ES]
- [X] DE 2850697 A1 19800604 - BRUECKNER APPARATEBAU GMBH
- [X] FR 2667332 A3 19920403 - DURAND CO MP [FR]
- [X] US 5713223 A 19980203 - LIN TENG CHI [TW]
- [A] US 5520027 A 19960528 - MCCARTNEY PHILLIP D [US], et al
- [A] US 4578085 A 19860325 - ISHIMARU OSAMU [JP]

Cited by  
EP2955261A1; IT201800006002A1; EP3372722A4; WO2019234775A1

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DOCDB simple family (application)  
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