

Title (en)

Sample package dyeing machine

Title (de)

Färbemaschine für Musterpackungen

Title (fr)

Machine pour teinture de paquets d'échantillons

Publication

EP 1990455 B1 20120627 (EN)

Application

EP 07251960 A 20070511

Priority

EP 07251960 A 20070511

Abstract (en)

[origin: EP1990455A1] A dyeing machine (2) for dyeing a sample yarn package (9) comprises a kier (2), a spindle (7) mounted in the kier for supporting a sample yarn package, and a dye liquor circulation system (25) operable to circulate dye liquor through the sample yarn package with inside-to-out and outside-to-in flow directions, the kier and the spindle configured to accommodate a single sample yarn package with a weight less than 1.2 kg, and the machine having an operating volume such that a single sample yarn package weighing less than 1.2 kg can be dyed using a liquor ratio of substantially 1:6.

IPC 8 full level

D06B 23/04 (2006.01); **D06B 23/10** (2006.01)

CPC (source: EP KR)

D06B 3/04 (2013.01 - KR); **D06B 23/042** (2013.01 - EP); **D06B 23/10** (2013.01 - EP KR)

Citation (examination)

- DE 2921404 A1 19801127 - JAGRI MACH & APPARATEBAU
- DE 2000052 A1 19710708 - HANS ELLNER FA
- DE 3906724 A1 19900913 - DEUTSCHES TEXTILFORSCHZENTRUM [DE]

Cited by

CN106988051A; CN104846579A; CN103088584A; CN104878539A

Designated contracting state (EPC)

DE TR

DOCDB simple family (publication)

EP 1990455 A1 20081112; **EP 1990455 B1 20120627**; CN 101302690 A 20081112; KR 20080100113 A 20081114; TW 200846517 A 20081201; TW I363824 B 20120511

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EP 07251960 A 20070511; CN 200810004472 A 20080130; KR 20070091579 A 20070910; TW 96117636 A 20070517