

Title (en)
CLOTH SWING APPARATUS OF CLOTH DYEING MACHINE

Title (de)
STOFFSCHWENKVORRICHTUNG EINER STOFFFÄRBEMASCHINE

Title (fr)
APPAREIL DE BALANCEMENT DE TISSU, ET MACHINE DE TEINTURE DE TISSU

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EP 2987900 A1 20160224 (EN)

Application
EP 13882452 A 20130418

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Abstract (en)
The plaiting device for dyeing machines introduced in this invention comprises a connecting tube, a plaiter, a motor and a cylinder, characterized in that said device further includes a support ring; said support ring has a pair of sleeve and a transmission shaft, the ring connecting to the plaiter, is also driven by a piston. The shaft also connects to a four bar linkage system and the motor. The piston connects to the plunger of an air cylinder. The pneumatic control and motor is manipulated by the automation system on a dyeing machine. The outer shape at the end of connecting tube is spherical while the top of plaiter is circular covering said end of tube concentrically with matched diameter such that said plaiter moves seamlessly around the end of connecting tube. There could be multiple sets of four bar linkage systems where each connects to a plaiter. This invention is applicable in fabric dyeing industry.

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