

Title (en)

ACTUATOR FOR A SHED-FORMING DEVICE FOR A WEAVING MACHINE

Title (de)

STELLGLIED FÜR EINE FACHBILDUNGSVORRICHTUNG EINER WEBMASCHINE

Title (fr)

ACTIONNEUR POUR DISPOSITIF DE FORMATION DE FOULE SUR MACHINE À TISSER

Publication

EP 1893796 A1 20080305 (EN)

Application

EP 05743199 A 20050512

Priority

EP 2005005261 W 20050512

Abstract (en)

[origin: WO2006119793A1] The present invention provides an actuator (10) for a shed-forming device for a weaving machine, the actuator (10) being arrangeable for moving at least one warp thread (1), the actuator (10) comprising an artificial muscle (11) having an input for receiving an actuation signal (12), the configuration of the artificial muscle (11) being variable in response to the actuation signal (12) in order to move the at least one warp thread (1). The use of an artificial muscle (11) as an actuator (10) has the benefit of a fast response when a change in configuration is required, reduced power requirements when compared to conventional actuators based on electric motors, compactness, robustness, reduced noise during operation and reduced cost to manufacture.

IPC 8 full level

D03C 3/20 (2006.01); **D03C 3/22** (2006.01); **D03C 5/00** (2006.01); **D03C 11/00** (2006.01)

CPC (source: EP)

D03C 3/20 (2013.01); **D03C 3/22** (2013.01); **D03C 5/00** (2013.01); **D03C 11/00** (2013.01)

Citation (search report)

See references of WO 2006119793A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2006119793 A1 20061116; CN 101171376 A 20080430; CN 101171376 B 20111207; EP 1893796 A1 20080305

DOCDB simple family (application)

EP 2005005261 W 20050512; CN 200580049729 A 20050512; EP 05743199 A 20050512