

Title (en)  
DRAW TEXTURING MACHINE

Title (de)  
STRECKTEXTURIERUNGSMASCHINE

Title (fr)  
MACHINE D'ÉTIRAGE-TEXTURATION

Publication  
**EP 3540104 A1 20190918 (EN)**

Application  
**EP 19158240 A 20190220**

Priority  
JP 2018048963 A 20180316

Abstract (en)  
Rotation of a pin is swiftly stopped at the time of yarn breakage in a draw texturing machine including a pin-type twisting unit. A yarn breakage sensor 26 configured to detect yarn breakage and a control unit 30 configured to control a motor 54 of a pin-type twisting unit 15 are provided. When yarn breakage is detected by the yarn breakage sensor 26, the control unit 30 stops the motor 54.

IPC 8 full level  
**D02G 1/02** (2006.01); **D02G 1/06** (2006.01)

CPC (source: CN EP)  
**D02G 1/0266** (2013.01 - EP); **D02G 1/06** (2013.01 - CN EP)

Citation (applicant)  
• JP 2002069763 A 20020308 - TORAY ENG CO LTD  
• JP 2016027218 A 20160218 - TMT MACHINERY INC  
• JP 2011047074 A 20110310 - TMT MACHINERY INC

Citation (search report)  
• [Y] US 3916609 A 19751104 - YAMADA SEIBI, et al  
• [Y] JP 2002069763 A 20020308 - TORAY ENG CO LTD  
• [Y] US 3662531 A 19720516 - CARROLL PATRICK P  
• [A] EP 0806503 A1 19971112 - MURATA MACHINERY LTD [JP]

Cited by  
EP3995612A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3540104 A1 20190918; EP 3540104 B1 20220330**; CN 110273206 A 20190924; JP 2019157314 A 20190919; JP 7128575 B2 20220831; TW 201938867 A 20191001; TW I784141 B 20221121

DOCDB simple family (application)  
**EP 19158240 A 20190220**; CN 201910115987 A 20190215; JP 2018048963 A 20180316; TW 108107524 A 20190307