

Title (en)
Textile machine

Title (de)
Textilmaschine

Title (fr)
Machine textile

Publication
EP 2345610 A3 20140618 (EN)

Application
EP 10195390 A 20101216

Priority
JP 2010007452 A 20100115

Abstract (en)
[origin: EP2345610A2] An automatic winder includes a unit body member, structural components, and pipes. The structural components are arranged in or near the unit body member. The pipes are made of an elastic material and supply a compressed air to the structural components to operate the structural components. The inner space of the unit body member is partitioned into first and second board arrangement compartments (51,53) and first, second, and third air-pipe arrangement compartments (50,52,54) by partition walls. In the unit body member, the pipes are arranged in the first, second, and third air-pipe arrangement compartments (50,52,54), and control boards (63) are arranged in the first and second board arrangement compartments.

IPC 8 full level
B65H 19/10 (2006.01); **D01H 13/00** (2006.01)

CPC (source: EP)
B65H 54/22 (2013.01); **B65H 54/70** (2013.01); **B65H 54/707** (2013.01); **B65H 54/72** (2013.01); **D01H 13/00** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [YD] JP 2001106434 A 20010417 - MURATA MACHINERY LTD
- [Y] DE 4207219 A1 19920924 - TSUBAKIMOTO CHAIN CO [JP], et al

Cited by
EP3561162A1; CN107215717A; US10947082B2; WO2018011002A1

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 2345610 A2 20110720; EP 2345610 A3 20140618; EP 2345610 B1 20160330; CN 102145833 A 20110810; CN 102145833 B 20140702; JP 2011144027 A 20110728

DOCDB simple family (application)
EP 10195390 A 20101216; CN 201110020098 A 20110113; JP 2010007452 A 20100115