Title (en)

Tuck-in method and tuck-in device for shuttleless loom

Title (de)

Einschlagverfahren und -vorrichtung der Schussfadenenden für eine schützenlose Webmaschine

Title (fr)

Procédé et dispositif de rentrage des fils de trame pour un métier à tisser sans navette

Publication

EP 2330239 A1 20110608 (EN)

Application

EP 10014846 A 20101122

Priority

JP 2009271221 A 20091130

Abstract (en)

An air jet tuck-in device for use in a shuttleless loom for weaving a fabric (1) including a plurality of weave sections having different weft densities includes one or more tuck-in nozzles (4) disposed at a side of a row of warp yarns for tucking an end portion (2a) of a weft yarn into a warp shedding (30) after weft insertion; switching means (5) that switches an ejection position of the tuck-in nozzles (4) between a first ejection position that corresponds to a first weave section (1a) and a second ejection position that corresponds to a second weave section (1b); and control means (6) that selects the ejection position of the tuck-in nozzles (4) and operates the switching means (5) on the basis of a result of the selection, the selection being performed on the basis of a signal related to an input weft density or a weaving condition associated with the weft density.

IPC 8 full level

D03D 47/48 (2006.01)

CPC (source: EP)

D03D 47/48 (2013.01)

Citation (applicant)

JP 2003166148 A 20030613 - TSUDAKOMA IND CO LTD

Citation (search report)

- [AD] EP 1314807 A2 20030528 - TSUDAKOMA IND CO LTD [JP]
- [A] EP 1914334 A1 20080423 - TSUDAKOMA IND CO LTD [JP]
- [A] EP 1405942 A1 20040407 - TSUDAKOMA IND CO LTD [JP]

Cited by

CN104630973A; CN104988644A; CZ304325B6

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 2330239 A1 20110608; **EP 2330239 B1 20130605**; CN 102080297 A 20110601; CN 102080297 B 20131120; JP 2011111700 A 20110609; JP 5309003 B2 20131009

DOCDB simple family (application)

EP 10014846 A 20101122; CN 201010568608 A 20101130; JP 2009271221 A 20091130