

Title (en)
DEVICE AND METHOD FOR STRETCHING

Title (de)
VORRICHTUNG UND VERFAHREN ZUM STRECKEN

Title (fr)
DISPOSITIF ET PROCEDE D'ETIRAGE

Publication
EP 1576219 A1 20050921 (DE)

Application
EP 03789093 A 20031127

Priority
• DE 10261774 A 20021220
• EP 0313338 W 20031127

Abstract (en)
[origin: US2006151047A1] A thread stretching device for a weaving machine, especially an air jet weaving machine, includes a thread gripper (22) for gripping the weft thread (10) as a device for stretching a weft thread inserted into a shed. A mechanism (23) for deflecting the weft thread is arranged upstream of the thread gripper, relative to the weft thread transport direction.

IPC 1-7
D03D 47/30

IPC 8 full level
D03D 47/30 (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP US)
D03D 47/308 (2013.01 - EP US); **D03D 47/363** (2013.01 - EP US)

Cited by
EP2440696B1; EP2440696B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006151047 A1 20060713; US 7559344 B2 20090714; AT E373126 T1 20070915; AU 2003293732 A1 20040722; CN 1729330 A 20060201; CN 1729330 B 20110706; DE 10261774 A1 20040701; DE 50308198 D1 20071025; EP 1576219 A1 20050921; EP 1576219 B1 20070912; ES 2293073 T3 20080316; JP 2006510820 A 20060330; JP 4805580 B2 20111102; WO 2004059055 A1 20040715

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US 53980905 A 20050620; AT 03789093 T 20031127; AU 2003293732 A 20031127; CN 200380107141 A 20031127; DE 10261774 A 20021220; DE 50308198 T 20031127; EP 0313338 W 20031127; EP 03789093 A 20031127; ES 03789093 T 20031127; JP 2004562653 A 20031127