

Title (en)
WARP LET-OFF DEVICE OF LOOM

Title (de)
KETTFADEN-ABLASSVORRICHTUNG EINER WEBMASCHINE

Title (fr)
DISPOSITIF DE DÉROULEMENT DE LA CHÂÎNE D'UN MÉTIER À TISSER

Publication
EP 3312323 B1 20190424 (EN)

Application
EP 17192212 A 20170920

Priority
• JP 2016205114 A 20161019
• JP 2016242909 A 20161215

Abstract (en)
[origin: EP3312323A1] A warp let-off device (20, 20') includes a pair of supporting structural bodies that are disposed apart from each other in a weaving-width direction, each supporting structural body being a single supporting structural body that is mounted on a loom frame so as to be displaceable in an up-down direction with respect to the loom frame. Each supporting structural body includes a first supporting section (52, 52') for supporting a support shaft (31, 34, 34') of one of two easing mechanisms (30a, 30b, 30c) and a second supporting section (70) for supporting the support shaft (31, 34, 34') of the other of the two easing mechanisms (30a, 30b, 30c).

IPC 8 full level
D03D 49/12 (2006.01); **D03D 49/22** (2006.01)

CPC (source: CN EP)
D03D 49/06 (2013.01 - CN); **D03D 49/12** (2013.01 - EP); **D03D 49/22** (2013.01 - EP)

Citation (opposition)
Opponent : Lindauer Dornier Gesellschaft mbH
• CN 102677373 A 20120919 - JIANGSU WANGONG TECH GROUP CO
• JP 2010111981 A 20100520 - TSUDAKOMA IND CO LTD
• EP 0671494 B1 19971217 - WIELE MICHEL VAN DE NV [BE]

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3312323 A1 20180425; EP 3312323 B1 20190424; EP 3312323 B2 20220622; CN 107964721 A 20180427; CN 107964721 B 20201229

DOCDB simple family (application)
EP 17192212 A 20170920; CN 201710951272 A 20171012