

Title (en)
CIRCULAR LOOMS

Title (de)
RUNDWEBMASCHINE

Title (fr)
MÉTIER À TISSER CIRCULAIRE

Publication
EP 2829645 B1 20180905 (DE)

Application
EP 13177863 A 20130724

Priority
EP 13177863 A 20130724

Abstract (en)
[origin: WO2015010889A1] A circular weaving machine (1, 1') has warp-tape guide elements (2) which are arranged around a circular reed (4, 4') in order to feed a multiplicity of warp tapes (3). Weaving-shed forming devices (5) group the fed warp tapes into two warp-tape groups (10, 11) and impart thereon mutually opposed alternating movements, with the result that a weaving shed (9) is opened and closed between the two warp-tape groups. A weaving shuttle (12) moves on a trajectory in the opened weaving shed (9) and in the process introduces a weft tape from a weft-tape package (13) carried thereby into the weaving shed (9), with the result that a fabric is formed. The fabric is drawn off through a weaving ring (15). The weaving shuttle (12) keeps the package axis (13a) of the weft-tape package (13) at an angular position which deviates by at most +/- 15°, preferably at most +/- 10°, from a normal to a surface (9a, 9a') which contains the geometric connecting lines between the warp-tape guide elements (2) and the weaving ring (15).

IPC 8 full level
D03D 51/34 (2006.01); **D03D 37/00** (2006.01)

CPC (source: EP RU US)
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Cited by
EP3159441A1; CN109652899A; US10711376B2; EP3438335A1; WO2017190739A1; WO2017067709A1; DE212017000090U1; EP3438336A1; DE212017000105U1; WO2023115091A1; EP3431643A1; WO2019015866A1; WO2019025043A1; EP3445902B1

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