

Title (en)
DOUBLE ROLLER SHADE ASSEMBLY

Title (de)
DOPPELTE ROLLLADENANORDNUNG

Title (fr)
ENSEMBLE STORE À DOUBLE ROULEAU

Publication
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Application
EP 17751146 A 20170605

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Abstract (en)
[origin: WO2017208276A1] The present invention relates to an assembly (1) of a roller shade (4) for shielding an area (12), said area (12) comprising at least an edge (13), said assembly (1) comprising a fixed first driver roller (2) and a second driven roller (3) movable with respect to said first roller (2), and a shade (4) having two ends, each end of said shade (4) being respectively coupled to a respective roller (2, 3), said shade (4) being able to slide between said first roller (2) and said second roller (3) in order to be able to nearly be totally wrapped on one or both said rollers (2, 3), said assembly (1) further comprising driving means (9) acting on said first roller (2) for exercising a wrapping/unwrapping torque (M2-, M2+) on said shade (4) in order to wrap/unwrap said shade (4) on said first roller (2), and return means (11) acting on said second roller (3) for exercising a return torque (M3+) on said shade (4) in order to wrap it on said second roller (3), wherein said assembly (1) is configured so that, during use when said first roller (2) is coupled in a fixed way to an edge (13) of said area (12), and a withdrawing force (Fp; Fs; Fr) acts on said second roller (3) in order to withdraw said second roller (3) from said first roller (2), said assembly (1) is able to pass between a position of non use, wherein said shade (4) is wrapped nearly completely on said first roller (2) and said second roller (3) is arranged in proximity of said first roller (2) in order to leave said area (12) free, and a use position, wherein said shade (4) shields said area (12), and wherein said withdrawing force (Fp; Fs; Fr) and said return means (11) are configured so that: when said assembly (1) is not in said use position, the withdrawing force (Fp; Fs; Fr) acting on said second roller (3) is higher or equal than the resulting forces from said return torque (M3+) so as to prevent the sliding of said shade (4) on said second roller (3); and when said assembly (1) is in said use position, said withdrawing force (Fp; Fs; Fr) is lower than the resulting forces of said return torque (M3+), so as to allow the sliding of said shade (4) on said second roller (3) on the action of said driving means (9).

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