

Publication

**EP 0551486 A4 19940105**

Application

**EP 92916771 A 19920723**

Priority

- US 73976991 A 19910802
- US 86284392 A 19920403
- US 9206125 W 19920723

Abstract (en)

[origin: WO9303250A1] Headrail hardware to lift and tilt a Venetian blind is provided. A single control (5) operates both the lift and the tilt function. A multiturn band brake tilter (19) is used with each ladder cord (15) in a way that reduces the frictional forces encountered in lifting or lowering the blind. One end of each of the ladder cords is attached to an arm (21) of its tilter. The tilters are disposed directly about the rotating drive rod (11) with no intermediate parts, and are supported by cradles (17) that mount in the headrail rather than by the drive rod (11) as in prior art blinds. The drive rod (11) rotates the tilters (19) and the lifting mechanism until the tilters (19) contact stops built into each of the cradles (17). Further rotation keeps the blind fully tilted while lifting or lowering of the blind continues. In the preferred embodiment, the lift cords (13) are attached to the drive rod (11), which traverses to accumulate the cords (13) in a single layer as the rod (11) is rotated to lift the blind. The rotation of the rod (11) within the tilters (19) greatly reduces the lateral force needed to traverse the rod (11). An innovative bearing support (41) is provided so that the weight of the blind is transferred from the tilter (19) directly to the cradle (17), further reducing the frictional drag on the traversing rod (11).

IPC 1-7

**E06B 9/30**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [Y] US 4623012 A 19861118 - RUDE EDWARD T [US], et al
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