

Title (en)
Awning assembly and control system

Title (de)
Markise und Steuerungssystem

Title (fr)
Marquise et système de commande

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EP 1122378 A1 20010808 (EN)

Application
EP 01300816 A 20010130

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Abstract (en)
This invention relates to a retractable and extendable awning and a control system for automatically extending and retracting the awning. In a retractable fabric awning a front of the awning fabric is attached to a movable front bar, movably mounted at the wall of a building by retractable arms. The rear of the fabric is unrolled from a roll of the fabric on the building wall when the arms move the front bar away from the building. The awning features a weather sensor unit on its front bar. The weather sensor unit can detect excessive wind and mechanical shocks and also sunlight and rain. The sensor is in wireless (via radio frequency) communication with an indoor control unit which can automatically retract the front bar during windy, rainy and/or low sunlight conditions and extend the front bar during calm and sunny conditions. The awning also features specific mechanical improvements in the support brackets for the retractable arms and in the retractable arms, themselves. In particular, each support bracket has a screw spindle (for adjusting the angle of extension of the fabric awning from a building) with a resilient inner bushing that cushions mechanical shocks to the awning. Glued-in arm ends allow adhesive to be introduced into the arm ends after assembly of the arms. <IMAGE>

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E04F 10/06

IPC 8 full level
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