

Title (en)
Structure and automatic locking mechanism for awnings

Title (de)
Struktur und automatischer Sperrmechanismus für Markisen

Title (fr)
Structure et mécanisme de verrouillage automatique pour marquises

Publication
EP 1127996 A3 20030924 (DE)

Application
EP 00108611 A 20000420

Priority
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• US 79344901 A 20010226

Abstract (en)
[origin: EP1127996A2] The structure has two parallel guide profiles (1) for a carriage (2), to which a transverse edge of the awning material (3) is fixed, which can be coiled on a motor-driven shaft at a higher area of the structure. An automatic lock mechanism acts between the carriage and the guide profiles. The outermost edge (1c) of a lower flange (1a) projecting from a profile tube part (1b) of the guide profile forms both a running profile for rollers (5) of the carriage and a completely free channel for water flowing over the side edge of the awning. One or two flanges project vertically beneath the guide profile, to fix supports or side walls. The outermost running edge has a seat for inserting the running profile. The automatic lock mechanism has a catch (6) with one longitudinal and two transverse slits, to engage a bearing pin (6e) connected to the carriage, at least one adjustable abutment element (7,8) to control the space and the inclination of the catch and an adjustable abutment element arranged above the bearing pin.

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IPC 8 full level
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CPC (source: EP US)
E04F 10/0607 (2013.01 - EP US); **E04F 10/0655** (2013.01 - EP US); **E06B 9/90** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0796976 A2 19970924 - SCHMITZ WERKE [DE]
• [A] EP 0315036 A2 19890510 - CLAUSS MARKISEN [DE]

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BE1019356A5; EP2392747A3; WO2004048715A1; EP2392747A2

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