

Title (en)

Glazed façade elements, especially prefabricated windows.

Title (de)

Fassadenglaselemente, insbesondere Fertigfenster.

Title (fr)

Perfectionnements aux éléments de façade vitrés, notamment aux fenêtres préfabriquées.

Publication

EP 0018906 A1 19801112 (FR)

Application

EP 80400581 A 19800428

Priority

FR 7910615 A 19790426

Abstract (en)

1. A glazed facade element, especially a prefabricated window, comprising in combination with a frame surrounding panes of glass which are preferably double or multiple, means which regulate heat exchange and/or comfort, among them means of occulting the panes of glass, pick-ups for physical parameters which have an effect upon the heat exchange and upon the comfort of the occupants of the premises which are to be bounded by this facade element, and a programmable electronic assembly sensitive to the said pick-ups and arranged for addressing control signals to the said means which regulate heat exchange and/or comfort, characterized in that the said assembly comprises a microprocessor and combined with the said microprocessor a store and an internal clock, the said assembly incorporating a programme of utilization of the premises, which defines the desired value with respect to time of each to the programmed physical parameters, the said assembly being sensitive to the output signals from the said pick-ups in order firstly to store for a relatively long period the values adopted by the parameters at least during the day preceding the day under consideration and secondly to employ the value of the parameters at the time on the day under consideration in order to address required control signals to the said means which regulate heat exchange and/or comfort, with an anticipatory effect which takes into account the thermal inertia of the premises.

Abstract (fr)

Un élément de façade vitré comprend un cadre rigide (1, 2) entourant un vitrage double ou multiple (3). Il comprend en outre des moyens d'occultation (4) du vitrage (3), des capteurs (5, 6) pour les différents paramètres physiques influant sur les échanges thermiques et le confort des occupants du local devant être limité par cet élément, et un microprocesseur (7) agencé pour recevoir les signaux de sortie des capteurs (5, 6) et adresser, en fonction de ces signaux de sortie, des signaux de commande appropriés vers les susdits moyens d'occultation (4).

IPC 1-7

E06B 9/24

IPC 8 full level

E06B 9/24 (2006.01)

CPC (source: EP)

E06B 9/24 (2013.01)

Citation (search report)

- CH 411305 A 19660415 - KUIJVENHOVEN AREND WILLEM [GB]
- FR 1520751 A 19680412
- FR 1356990 A 19640403

Cited by

CN111720011A; CN111577110A; IT201700028721A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0018906 A1 19801112; EP 0018906 B1 19831116; AT E5343 T1 19831215; DE 3065586 D1 19831222; FR 2455159 A1 19801121; FR 2455159 B1 19830218

DOCDB simple family (application)

EP 80400581 A 19800428; AT 80400581 T 19800428; DE 3065586 T 19800428; FR 7910615 A 19790426