

Title (en)
SOLAR ENERGY RECOVERY AND CONVERSION SYSTEM FOR A GREENHOUSE, GREENHOUSE AND ASSOCIATED METHOD FOR CONTROLLING THE SYSTEM

Title (de)
SONNENENERGIERÜCKGEWINNUNGS- UND UMWANDLUNGSSYSTEM FÜR EIN GEWÄCHSHAUS, GEWÄCHSHAUS UND ZUGEHÖRIGES VERFAHREN ZUR STEUERUNG DES SYSTEMS

Title (fr)
SYSTEME DE RÉCUPÉRATION ET DE CONVERSION DE L'ÉNERGIE SOLAIRE POUR UNE SERRE, SERRE ET PROCÉDÉ DE COMMANDE DU SYSTEME ASSOCIÉ

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Application
EP 22705436 A 20220124

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Abstract (en)
[origin: CA3205560A1] The subject matter of the present invention is a solar energy recovery and conversion system (34) for a greenhouse (10) for cultivating plants, the greenhouse (10) comprising a cultivation area (16), characterised in that the solar energy recovery and conversion system (34) comprises: - a set of reflective panels (36); - a drive device (42) which is provided to cause the reflective panels (36) to pivot around their longitudinal pivot axis (A2); - at least one solar energy recovery device (44) which is arranged between the roof (14) and the set of reflective panels (36), so as to recover the solar energy reflected by the reflective panels (36); - a control unit (50) which is configured to control the drive device (42) according to different operating modes. The invention also relates to a method for controlling the solar energy recovery and conversion system (34).

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