

AGENTIA DE STAT PENTRU PROPRIETATEA INTELECTUALĂ



Expoziția Internațională Specializată

INFOINVENT

Ediția a XVIII-a, 22-24 Noiembrie 2023



PHOTOVOLTAIC PANEL ORIENTATION INSTALLATIONS

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Goal:

Widening the functional possibilities, simplifying the construction and increasing the conversion efficiency.

Patent nr. 4787 MD of 31.01.2022

Solution:

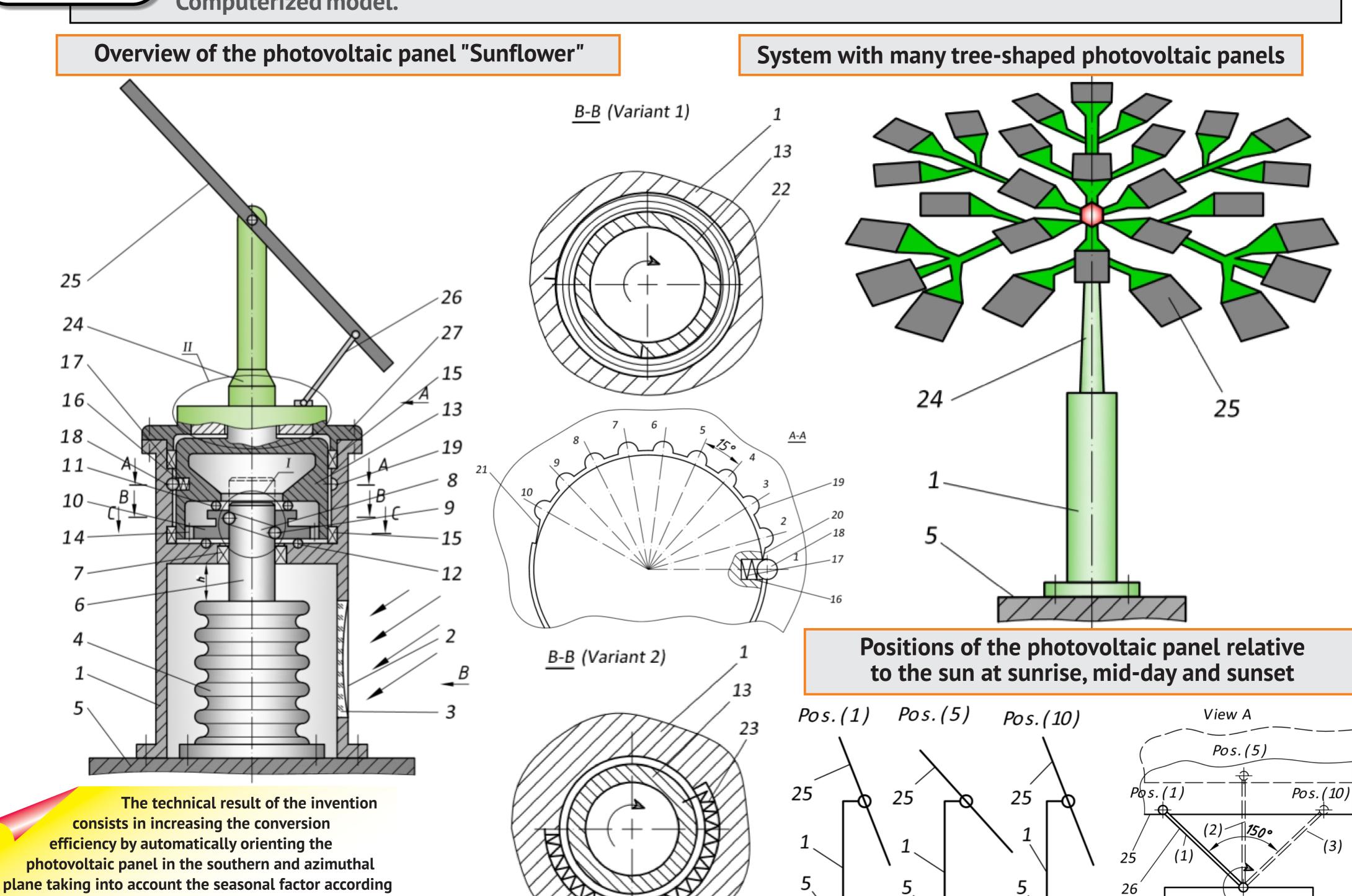
- Automatic realization of the orientation of the photovoltaic panel towards the Sun in the southern and azimuthal plane according to the natural model of the sunflower, by using relatively simple constructive innovative solutions;
- ✓ Consideration of the seasonal factor through a relatively simple purely mechanical construction solution ensures increased conversion efficiency and low cost.

vantages:

- automatic realization of the orientation of the photovoltaic panel towards the Sun in the southern and azimuthal plane according to the natural model of the sunflower, by using relatively simple constructive innovative solutions;
- ✓ consideration of the seasonal factor by a relatively simple purely mechanical construction solution, which ensures increased conversion efficiency and low cost.

Stage:

Computerized model.



construction and reducing the cost.

to the natural pattern of the sunflower, simplifying the

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