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*of the United States Patent and Trademark Office has received
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and description of the invention are enclosed. The requirements
of law have been complied with, and it has been determined that
a patent on the invention shall be granted under the law.*

Therefore, this United States

Patent

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John A. Guarnieri

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

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If the application for this patent was filed on or after June 8, 1995, the term of this patent begins on the date on which this patent issues and ends twenty years from the filing date of the application or, if the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121, 365(c), or 386(c), twenty years from the filing date of the earliest such application (“the twenty-year term”), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b), and any extension as provided by 35 U.S.C. 154(b) or 156 or any disclaimer under 35 U.S.C. 253.

If this application was filed prior to June 8, 1995, the term of this patent begins on the date on which this patent issues and ends on the later of seventeen years from the date of the grant of this patent or the twenty-year term set forth above for patents resulting from applications filed on or after June 8, 1995, subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b) and any extension as provided by 35 U.S.C. 156 or any disclaimer under 35 U.S.C. 253.

(12) **United States Patent**
Nelson et al.

(10) **Patent No.:** **US 12,542,512 B2**
(45) **Date of Patent:** **Feb. 3, 2026**

(54) **MOUNT FOR INSTALLING A
PHOTOVOLTAIC PANEL OR A SOLAR CELL
ON A SHINGLED ROOF**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 25 days.

(21) Appl. No.: **18/613,442**

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24, 2023.

(51) **Int. Cl.**
H02S 20/32 (2014.01)
H02S 20/23 (2014.01)

(52) **U.S. Cl.**
CPC **H02S 20/23** (2014.12)

(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

A mount for installing a photovoltaic array on a shingle roof includes a base and a first support panel and second support panel that extend upwardly from the base. The base has one or more openings that accept fasteners to secure the base to a roof surface with the fasteners positioned entirely underneath a shingle of the roof positioned above the fasteners. The fasteners are therefore concealed by the shingle and protected by the shingle. A rail panel extends between the first support panel and the second support panel above the base. The rail panel is provided with fastener holes for use in mounting a rail to the rail panel.

20 Claims, 5 Drawing Sheets

