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(12) **United States Plant Patent**
Sheehan

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(54) **GRAPEVINE ‘SHEEGENE-21’**

(50) Latin Name: *Vitis vinifera*
Varietal Denomination: **Sheegene-21**

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(US)

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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 0 days.

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(52) **U.S. Cl.**

USPC **Plt./207**

(58) **Field of Classification Search**

USPC **Plt./207**

See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct variety of grapevine characterized by the
production of medium, green-colored seedless grapes that
mature in early July, approximately four weeks earlier than
‘Thompson Seedless’ (unpatented) when grown in the San
Joaquin Valley of Central California. The grapes of this new
variety are produced on strong woody stems and branches and
are well adapted to commercial handling.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
The claimed plant relates to a new and distinct variety of *Vitis
vinifera* to be known as ‘Sheegene-21’.

**CROSS REFERENCE TO RELATED
APPLICATIONS**

The claimed plant is not subject of a related application.

**STATEMENT OF ANY
FEDERALLY-SPONSORED RESEARCH AND
DEVELOPMENT**

The claimed plant is not subject of Federally-sponsored
research or development.

VARIETY DENOMINATION

The new variety of *Vitis vinifera* is the result of hybridiza-
tion of ‘Princess’ (unpatented), the pollen parent, and ‘Red
Globe’ (U.S. Plant Pat. No. 4,787), the seed parent. The new
variety was asexually propagated by Timothy P. Sheehan in
the Spring of 2000 in a *Vitis vinifera* variety block located
near Fowler, Calif. The new variety was planted as rooted
cuttings in May of 2007 in a field located north and west of
Delano, Calif. The new variety produces a medium, green-
colored seedless grape with very good flavor. The new variety
has been shown to maintain its distinguishing characteristics
through asexual propagation.

The new variety is distinguished from its pollen parent,
‘Princess’ (unpatented), in that the new variety produces
green-colored seedless grapes, as compared to the white-
colored seedless grapes produced by its pollen parent, ‘Prin-
cess’ (unpatented). The new variety is distinguished from its
seed parent, ‘Red Globe’ (U.S. Plant Pat. No. 4,787), in that
the new variety produces green-colored seedless grapes, as

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compared to its seed parent, ‘Red Globe’ (U.S. Plant Pat. No.
4,787), that produces red-colored seeded grapes.

BACKGROUND OF THE INVENTION

5 The present invention relates to a new and distinct variety
of grapevine that produces a medium, green-colored seedless
grape that matures during early July when grown in the San
Joaquin Valley of Central California. The new invention
10 resembles ‘Thompson Seedless’ (unpatented).

SUMMARY OF THE INVENTION

15 The ‘Sheegene-21’ grapevine is characterized by produc-
ing a medium, green-colored seedless grape that has very
good flavor and it is productive and mature for harvesting and
shipment in early July when grown in the San Joaquin Valley
of Central California. The new variety can be compared to
20 ‘Thompson Seedless’ (unpatented) but the grapes produced
by the new variety mature approximately four weeks earlier,
among other distinguishing characteristics.

BRIEF DESCRIPTION OF THE DRAWINGS

25 The accompanying drawing is a color photograph that dis-
plays a cluster of immature grapes and leaves along the top
side, a cluster of mature grapes in the center, four grapes cut
in half displaying the color of the flesh and the shape of the
berries and three clusters of immature grapes in the lower
30 center, a branch displaying the nodes along the left side, a
shoot with mature and immature leaves with tendril along the
right side, and on the bottom is a tendril with three leaves
displaying the upper and lower leaf surface.

DETAILED BOTANICAL DESCRIPTION

35 Referring more to the horticultural description of the new
and distinct variety of grapevine, the following has been

observed under the ecological conditions prevailing at the origin vineyard located near Delano, Calif., in the San Joaquin Valley of Central California. All major color descriptions are by reference to the Dictionary of Color by Maerz & Paul, First Edition, published in 1930. Common colors names are also used in several instances.

Vine:

Size.—Medium for three-year old vine.

Vigor.—Very good.

Chilling requirements.—Normal for grapevines in the lower San Joaquin Valley of Central California.

Regularity of bearing.—Regular.

Trunk:

Size.—Medium; 7 inches [17.78 cm] in circumference, 18 inches [45.72 cm] above ground.

Surface texture.—Rough, shaggy.

Color of bark.—Pl.4 F10 Near Ararby.

Mature cane color.—Pl.5 D11 Mexico.

Nodes.—Four nodes on each cane, 12 inches [30.48 cm] long.

Length between nodes.—3¼ inches [8.26 cm].

Lenticel numbers.—None.

Shoot length.—1½ to 2¼ inches [3.81 to 5.72 cm].

Shoot shape.—Droopy.

Tendrils number/location.—Single at node.

Tendrils length.—Medium; 2 inches [5.08 cm] on average.

Tendrils form.—Bifurcate.

Tendrils texture.—Firm.

Bud shape.—Convex.

Bud size.—0.19 to 0.20 inches [4 to 5 mm] in width, 0.25 to 0.30 inches [6 to 7 mm] in length.

Bud fruitfulness.—Very good.

Branches:

Size.—Medium; 2½ inches [6.35 cm] in circumference.

Cordons.—21 inches from trunk (53.34 cm).

Surface texture.—Slightly rough.

Color (one year or older branches).—Pl.6 F4 Crushed Berry.

Color (immature branches).—Pl.18 L8 Evergreen.

Leaves:

Size.—Medium.

Density.—Dense.

Average length.—3 to 3¼ inches [7.62 to 8.26 cm].

Average width.—3 to 5¼ inches [7.62 to 13.34 cm].

Form.—Pentagonal.

Texture (upper surface).—Smooth.

Texture (lower surface).—Slightly rough.

Color (upward disposed surface).—Pl.23 J9 Mt. Vernon gr.

Color (downward disposed surface).—Pl.21 L7 Med. Dark gr.

Leaf vein color.—Pl.17 L7 Viridine Y.

Marginal form.—Toothed.

Leaf margin.—Slightly undulating.

Leaf vein thickness.—0.08 inches [2 mm].

Glandular characteristics.—None.

Petiole size.—Moderate.

Petiole length.—1¾ to 2 inches [4.45 to 5.08 cm].

Petiole thickness.—0.12 inches [3 mm].

Petiole color.—Pl.6 J8 Domingo.

Petiole color (upper surface).—Pl.16 L8 Dark Cardinal.

Petiole sinus form.—Upside down 'U' shape.

Lobe (average).—Four.

Tooth size.—0.20 to 0.28 inches [5 to 7 mm] in width; 0.28 to 0.31 inches [7 to 8 mm] in length.

Tooth shape.—Convex.

Inflorescence:

Size.—4.33 to 7.48 inches [11 to 19 cm].

Number per spur.—One to two.

Number per vine.—Many; up to forty-two.

Quantity.—Proficient.

Flowers:

Flower buds.—0.04 to 0.08 inches [1 to 2 mm].

Flower buds surface.—Glabrous.

Flower buds.—Generally heavy.

Date of bloom.—May 6.

Date of full bloom.—May 11.

Size.—0.20 inches [5 mm].

Petals (color).—Pl.7 L8 Mauve Taupe.

Petals (size).—Small; 0.18 inches [5 mm].

Pistil color.—Pl.7 L8 Neva gr.

Date of visible berry set.—May 11.

Size of berries.—Small; 0.08 inches [2 mm].

Fruit:

Solids.—18.0 Brix.

Acids.—0.32.

Sugar/acid ratio.—0.56.

Juice pH.—3.85.

Seeds.—None.

Capstem pedicel.—0.24 to 0.39 inches [6 to 10 mm].

Berry weight.—2.28 grams.

Juice color.—Pl.19 B4 Corydalis gr.

Cluster size.—Medium.

Cluster average length (not including stem).—6.43 inches [16.33 cm].

Cluster average diameter.—4.00 inches [10.26 cm].

Cluster average weight.—12.5 oz. [356.25 grams].

Compactness.—Compact.

Cluster form.—Semi saucer-shaped.

Stem length.—2.31 inches [5.87 cm].

Stem caliper.—0.19 inches [0.47 cm].

Berry size.—Medium.

Berry form.—Ovate.

Berry numbers (average).—156 berries per bunch.

Berry size (average dimension along longitudinal axis).—1.00 inch [2.54 cm].

Berry size (average dimension along transverse axis).—0.63 to 0.75 inches [15.8 to 19.1 mm].

Skin:

Skin thickness.—Medium.

Texture.—Semi-tough.

Ground color.—Pl.19 B4; Corydalis gr.

Pulp.—Pl.19 B4 Corydalis gr.

Lenticels.—None.

Flesh:

Flesh color.—Pl.19 B4 Corydalis gr.

Juice production.—Moderate.

Flavor.—Very good.

Aroma.—Very mild.

Texture.—Firm.

Ripening.—Even.

Eating quality.—Very good.

Use.—Fresh Market.

Keeping quality.—Good.

Resistance to disease.—Unknown.

Harvesting.—Late July in the San Joaquin Valley of Central California.

Shipping and handling qualities.—Very good.

Having thus described and illustrated our new variety of grapevine, I claim:

1. A new variety of grapevine to be known as ‘Sheegene-21’ and parts thereof, substantially as illustrated and described, characterized principally by its production of

medium, green-colored seedless grapes that mature earlier in the season of ripening than does ‘Thompson Seedless’ (unpatented) that is resembles.

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