



US00PP22398P2

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

(10) **Patent No.:** **US PP22,398 P2**
(45) **Date of Patent:** **Dec. 20, 2011**

(54) *SUTERA* PLANT NAMED ‘DANOVA982’

(50) Latin Name: *Sutera cordata*
Varietal Denomination: **DANOVA982**

(75) Inventor: **Gavriel Danziger**, Moshav Nir-Zvi (IL)

(73) Assignee: **Danziger ‘Dan’ Flower Farm**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/802,301**

(22) Filed: **Jun. 3, 2010**

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./485**

(58) **Field of Classification Search** Plt./485
See application file for complete search history.

Primary Examiner — June Hwu

(74) *Attorney, Agent, or Firm* — Cassandra Bright

(57) **ABSTRACT**

A new and distinct *Sutera cordata* plant named ‘DANOVA982’ particularly characterized by 5-petalled flowers, measuring 2.2 cm in diameter and light violet in color with a yellow colored throat; semi-trailing, compact growth habit; early flowering response; and suitable for use with hanging basket planters, combination planters and ground cover under full sunlight-and slight shade.

2 Drawing Sheets

1

Latin name of the genus and species of the claimed plant:
Sutera cordata.

Variety denomination: ‘DANOVA982’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Sutera* plant, botanically known as *Sutera cordata*, hereinafter referred to by the cultivar name ‘DANOVA982’.

Sutera, of the Scrophulariaceae family, consists of annuals which are grown in most climate zones in the U.S., and only in zones 9 and 10 if it is a perennial plant.

The new *Sutera* ‘DANOVA982’ is a product of a planned breeding program conducted by the inventor, Gavriel Danziger, in Moshav Mishmar Hashiva, Israel. The objective of the breeding program is to develop a new *Sutera* variety with branched, semi-trailing growth habit and large, light violet flowers.

The new *Sutera cordata* ‘DANOVA982’ originated from open pollination by an unknown *Sutera cordata* of the unpatented female/seed parent, *Sutera cordata* cv. 5-153, in a controlled breeding program by the inventor in 2005 in Moshav Mishmar Hashiva, Israel. The new *Sutera* ‘DANOVA982’ was discovered and selected by the inventor as a single flowering plant within the progeny of the stated cross in a controlled environment in 2006 in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new *Sutera* ‘DANOVA982’ by vegetative tip cuttings was first performed in February 2006 in Moshav Mishmar Hashiva, Israel, and has demonstrated that the combination of characteristics as herein disclosed for the new cultivar are firmly fixed and retained through successive generations of asexual reproduction. The new cultivar reproduces true to type.

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be unique characteristics of ‘DANOVA982’, which in combination distinguish this *Sutera* as a new and distinct cultivar:

1. 5-petalled flowers, measuring 2.2 cm in diameter and light violet in color with a yellow colored throat;

2

2. Semi-trailing, compact growth habit;
3. Early flowering response; and
4. Suitable for use with hanging basket planters, combination planters and ground cover under full sunlight-and slight shade.

Plants of the new *Sutera* ‘DANOVA982’ differ from plants of the female/seed parent, *Sutera cordata* designated cv. 5-153 (unpatented), in the characteristics described in Table 1.

TABLE 1

Characteristic	New Cultivar ‘DANOVA982’	Female Parent cv. 5-153 (unpatented)
Flower color	Light Violet	Pink
Flower size	Large	Medium
Growth habit	Semi-trailing	Trailing

Of the many commercial cultivars known to the present inventor, the most similar in comparison to the new *Sutera cordata* ‘DANOVA982’ is the *Sutera cordata* ‘DANCOP22’ (patented, U.S. Plant Pat. No. 19,340). Plants of the new *Sutera* ‘DANOVA982’ differ from plants of *Sutera* ‘DANCOP22’ in the characteristics described in Table 2:

TABLE 2

Characteristic	New Cultivar ‘DANOVA982’	Comparison Cultivar ‘DANCOP22’ (patented)
Growth habit	Semi-trailing	More trailing
Flower color	Light Violet	Rose
Flower size	Large, about 2.2 cm	Medium, about 1.6 cm

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs illustrate the overall appearance of the new *Sutera* ‘DANOVA982’ showing the colors as true as is reasonably possible with colored reproductions of this type. Colors in the photographs may differ

slightly from the color value cited in the detailed botanical description which accurately describe the color of ‘DANOVA982’.

FIG. 1 shows a side view perspective a typical flowering plant of ‘DANOVA982’ in a hanging planter, at 3 months of age.

FIG. 2 shows a close-up view of the typical flower of ‘DANOVA982’, at 3 months of age.

DETAILED BOTANICAL DESCRIPTION

The new *Sutera* ‘DANOVA982’ has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary significantly with variations in environment such as temperature, light intensity, and day length without any change in the genotype of the plant.

The aforementioned photographs, together with the following observations, measurements and values describe the new *Sutera* ‘DANOVA982’ as grown in a greenhouse in Moshav Mishmar Hashiva, Israel, under conditions which closely approximate those generally used in commercial practice. Plants were grown in a partially shaded (up to 50%) greenhouse, at temperatures between 16° C. (night) to 30° C. (day). A balanced fertilizer was provided with each watering, at levels of 100-150 ppm N.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.), 2001 edition, except where general colors of ordinary significance are used. Color values were taken under daylight conditions at approximately 12:00 noon in Moshav Mishmar Hashiva, Israel. The age of the plant described is 3 months.

Classification: Botanical: *Sutera cordata*

Parentage:

Female or seed parent.—*Sutera cordata* designated cv. 5-153 (unpatented).

Male or pollen parent.—Open Pollination by unknown *Sutera cordata* cultivar.

Optimal growth conditions:

Light intensities.—Full sunlight or slight shade.

Temperature.—Day: 20° C. to 24° C. Night: 16° C. to 20° C.

Temperature tolerance.—Tolerant to a low temperature of about 5° C. and tolerant to a high temperature of about 30° C.

Fertilization.—A balanced fertilizer with level of 100-150 ppm Nitrogen.

Growth regulators.—Unnecessary.

Propagation:

Type.—Tip cuttings of side shoots.

Rooting habit and description.—Fine, fibrous roots.

Time to initiate roots.—About 7 to 10 days at 20° C.

Time to produce a rooted cutting.—About 14 days at 20° C.

Plant:

General appearance and form.—Height: About 15 cm. Spread: About 50 cm.

Shape.—Semi-trailing, compact growth habit.

Vigor.—Strong.

Strength.—Strong.

Crop time.—About 6 to 8 weeks for a flowering pot.

Fragrance.—None.

Lateral branches:

TABLE 3

Branch characteristic	Primary	Secondary
Quantity Per Plant	About 6	About 60
Length	About 50 cm.	About 25 cm.
Diameter	About 2 mm.	About 1 mm.
Aspect:	About 90°	About 45°
Internode Length	About 2 cm.	About 1.5 cm.
Texture	Velvety	Velvety
Pubescence	Slightly pubescent	Slightly pubescent
Color	Yellow-Green, RHS 146A	Yellow-Green, RHS 146B

Foliage:

Arrangement and attachment.—Opposite, petiolate.

Leaf length.—About 2.7 cm.

Leaf width.—About 1.5 cm.

Overall shape of leaf.—Elliptic.

Apex shape.—Acute.

Base shape.—Acute.

Margin.—Serrate.

Texture.—Upper Surface: Slightly velvety. Under Surface: Slightly velvety.

Pubescence.—Upper Surface: Slightly pubescent. Under Surface: Slightly pubescent.

Color of mature leaf.—Upper Surface: Yellow-Green, RHS 147A. Under Surface: Yellow-Green, RHS 147B.

Color of immature leaf.—Upper Surface: Green, RHS 137A. Under Surface: Green, RHS 137B. Venation: Pattern: Pinnate. Color: Upper surface: Yellow-Green, RHS 147A. Under Surface: Yellow-Green, RHS 147B.

Petiole.—Length: About 6 mm. Diameter: About 1 mm. Color: Yellow-Green, RHS 147A.

Leaf fragrance.—None.

Flower description:

Natural flowering season.—All year round in moderate climate. Flowering occurs between January and December outdoors in Israel.

Flowering response time.—About 5 weeks from planting.

Flowering longevity.—On the plant: Flowering of a single flower lasts for 7 days.

Flower fragrance.—None.

Quantity of flowers and buds per plant.—About 200.

Flower bud (about 2 days prior to opening): Shape: Spatulate. Length: About 9 mm. Diameter: About 5 mm. Texture: Velvety. Color: Violet, RHS 84C.

Flower type.—Solitary, axillary.

Flower form.—Salverform.

Flower symmetry.—Radially symmetric.

Orientation at opening.—Slanted upward and outward.

Corolla size.—Diameter (spread): About 2.2 cm. Diameter at lobes: About 2.2 cm. Overall flower height: About 10 mm. Length of corolla tube: About 9 mm. Diameter of corolla tube: About 3 mm.

Petals.—Quantity: 5. Length: About 8 mm. Width: About 6 mm. Overall shape: Rounded and gameopetalous. Apex: Rounded. Base: Fused. Margin: Entire. Texture (upper & under surfaces): Slightly velvety. Color: Upper surface, when opening: Violet, RHS 84B. Upper surface, opened flower: Violet, RHS 84B. Under Surface, when opening: Vio-

let, RHS 84C. Under Surface, opened flower: Violet, RHS 84C. Corolla throat color: Yellow-Orange, RHS 13A.

Calyx.—Sepals: Quantity: 5. Length: About 7 mm. Width: About 1 mm. Overall shape: Linear. Apex: 5 Acute. Base: Fused. Margin: Entire. Texture: Upper surface: Velvety. Under Surface: Velvety. Upper surface color: Green, RHS 137D. Under Surface color: Green, RHS 137D. Anthocyanin pigmentation of calyx limb: Absent. Pedicel: Aspect: Slanted upward. 10 Length: About 9 mm. Diameter: About 1 mm. Angle: About 45°. Texture: Velvety. Color: Green, RHS 137D.

Reproductive organs:

Androecium.—Stamen: Number: 4. Arrangement: 15 Didynamous. Type: Basifixed. Dehiscence of stamens: Extrorse. Color: Yellow, RHS 9A. Anthers: Shape Cylinder. Length: About 1 mm. Color: Yellow, RHS 9A. Filaments: Length: About 10 mm. Color: 20 Yellow, RHS 10D. Pollen: Amount: Moderate. Color: Yellow, RHS 9A. Pollination requirements: Young, active pollen, and receptive, open stigma.

Gynoecium.—Pistils: Quantity: 1. Length: About 12 mm. Stigma: Shape: Undulate. Width: About 1 mm. Color: Yellow-Green, RHS 154A. Style: Shape: Ter- 25

ete. Length: About 10 mm. Ovary: Shape: Ellipsoid. Position: Superior. Length: About 1 mm. Width: About 1 mm. Color: Yellow-Green, RHS 144C.

Seeds:

Quantity per fruit.—About 20.

Shape.—Elliptic.

Length.—About 1 mm.

Width.—About 0.5 mm.

Texture.—Rough.

Color.—Grayed-Yellow, RHS 162A.

Fruit:

Type.—Capsule.

Shape.—Ellipsoid.

Length.—About 3 mm.

Width.—About 2 mm.

Texture.—Rugose.

Color.—Grayed-Orange, RHS 164B.

Disease/pest resistance: Good.

Disease/pest susceptibility: Low.

What is claimed is:

1. A new and distinct *Sutera cordata* plant named 'DANOVA982', substantially as illustrated and described herein.

* * * * *

FIG. 1



FIG. 2

