

US00PP19350P3

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

(10) **Patent No.:** **US PP19,350 P3**

(45) **Date of Patent:** **Oct. 21, 2008**

(54) *SUTERA* PLANT NAMED ‘DANCOP20’

(50) Latin Name: *Sutera cordata*
Varietal Denomination: **DANCOP20**

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

(73) Assignee: **Danziger “Dan” Flower Farm**, Post Beit Dagan (IL)

(*) 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.: **11/717,520**

(22) Filed: **Mar. 13, 2007**

(65) **Prior Publication Data**

US 2008/0229465 P1 Sep. 18, 2008

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

(52) **U.S. Cl.** **Plt./485; Plt./263**

(58) **Field of Classification Search** Plt./485,
Plt./263

See application file for complete search history.

Primary Examiner—Annette H Para

Assistant Examiner—S. B. McCormick-Ewoldt

(74) *Attorney, Agent, or Firm*—Foley & Lardner LLP

(57) **ABSTRACT**

A new and distinct *Sutera* plant named ‘DANCOP20’ particularly characterized by having 5-petalled flowers, measuring about 2.0 cm in diameter and blue in color with a yellow-orange colored throat and center; vigorous growth habit, which maintains a 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: ‘DANCOP20’.

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 ‘DANCOP20’.

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* cultivar is a product of a planned breeding program conducted by the inventor, Gabriel Danziger, in Moshav Mishmar Hashiva, Israel. The objective of the breeding program is to develop a new *Sutera* variety with large, blue flowers and a trailing, compact growth habit.

The new *Sutera* cultivar originated from open pollination in a controlled breeding program by the inventor in 2005, in Moshav Mishmar Hashiva, Israel. Open pollination of the seed parent, an unpatented *Sutera* cultivar designated ‘CV-05-169’, by an unknown *Sutera* cultivar, took place in a controlled breeding program in Moshav Mishmar Hashiva, Israel. The new *Sutera* ‘DANCOP20’ was discovered and selected by the inventor, Gabriel Danziger, as a single flowering plant within the progeny of the stated cross in a controlled environment in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new *Sutera* cultivar by vegetative tip cuttings was first performed in August of 2005 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.

2

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be unique characteristics of ‘DANCOP20’, which in combination distinguish this *Sutera* as a new and distinct cultivar:

1. 5-petalled flowers, measuring about 2.0 cm in diameter and blue in color with a yellow-orange colored throat;
2. 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* ‘DANCOP20’ differ from plants of the parental cultivar, *Sutera* ‘CV-05-169’ (unpatented), in the characteristics described in Table 1.

TABLE 1

Characteristic	New Cultivar ‘DANCOP20’	Female Parent ‘CV-05-169’ (unpatented)
Flower size	Large, about 2 cm	Medium, about 1.5 cm
Vigor	Strong	Medium
Leaf shape	Elliptic	Cordate

Of the many commercial cultivars known to the present inventor, the most similar in comparison to the new *Sutera* ‘DANCOP20’ is the *Sutera* ‘DANGUL14’ (patented, U.S. Plant Pat. No. 18,194), in the following characteristics described in Table 2:

TABLE 2

Characteristic	New Cultivar 'DANCOP20'	Comparison Cultivar 'DANGUL14' (Patented, U.S. Plant Pat. No. 18,194)
Flower size	Large, about 2.0 cm	Extra large, about 2.7 cm
Growth intensity	Vigorous	Compact
Flower color	Blue	White
Plant Spread	About 70 cm	About 50 cm

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawings illustrate the overall appearance of the new *Sutera* 'DANCOP20' 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 'DANCOP20'.

FIG. 1 shows a side view perspective view of a typical flowering plant of 'DANCOP20' in a hanging planter at 3 months.

FIG. 2 shows a close-up view of a typical single flower of 'DANCOP20' at 3 months.

DETAILED BOTANICAL DESCRIPTION

The new *Sutera* 'DANCOP20' has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary 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* 'DANCOP20' as grown in a greenhouse in Moshav Mishmar Hashiva, Israel, under conditions which closely approximate those generally used in commercial practice.

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 in 3 months.

Classification:

Botanical.—*Sutera cordata*.

Commercial.—*Bacopa Scopio*TM Great Blue Lake.

Parentage:

Female or seed parent.—*Sutera* cultivar designated 'CV-05-169' (unpatented).

Male or pollen parent.—Open pollination; unknown *Sutera* 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 10° C. and tolerant to a high temperature of about 30° C.

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

Growth regulators.—Unnecessary.

Propagation:

Type.—Tip cuttings of side shoots.

Rooting habit and description.—Easy to root; fine, fibrous roots.

Time to initiate roots.—About 7 to 10 days at 18° C.

Time to produce a rooted cutting.—About 14 days at 18° C.

Plant:

General appearance and form.—Height: About 15 cm. Spread: About 70 cm.

Shape.—Trailing, vigorous growth habit.

Winter hardiness.—Hardy in moderate climate.

Vigor.—Strong.

Crop time.—About 8 to 10 weeks for a flowering pot.

Fragrance.—None.

Branching habit.—Vigorously branched.

Lateral branches.—Vigorously branched.

TABLE 3

Branch characteristic	Primary	Secondary
Length	About 60 cm.	About 35 cm.
Diameter	About 2 mm.	About 1 mm.
Internode Length	About 3 cm.	About 2 cm.
Texture	Slightly rough	Slightly rough
Pubescence	Present	Present
Color	Yellow-Green, RHS 146A	Yellow-Green, RHS 146B

Foliage:

Arrangement and attachment.—Opposite, petiolate.

Leaf length.—About 3 cm.

Leaf width.—About 2.3 cm.

Overall shape of leaf.—Elliptic.

Apex shape.—Acute.

Base shape.—Acuminate.

Margin.—Dentate.

Texture (both surfaces).—Slightly velvety.

Pubescence (both surfaces).—Slightly present.

Color of upper surface.—Mature leaf: Green, RHS 137A. Immature leaf: Green RHS 137C.

Color of lower surface.—Mature leaf: Green, RHS 137B. Immature leaf: Green, RHS 137C.

Venation.—Pattern: Palmate. Color: Upper surface: Green, RHS 137B. Lower surface: Green, RHS 137D.

Petiole.—Length: About 6 mm. Diameter: About 2 mm. Color: Green, RHS 137A.

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 4 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.—Approximately 200.

Flower bud (about 2 days prior to opening).—Shape: Spatulate. Length: About 10 mm. Diameter: About 4 mm. Texture: Velvety. Color: Violet, RHS N87A.

Flower type.—Solitary, axillary.

Flower form.—Salverform.

Flower symmetry.—Radial symmetric.

Orientation at opening.—Slanted upward and outward.

Corolla size.—Diameter (spread): About 2 cm. Diameter at lobes: About 20 mm. Overall flower height: About 12 mm. Length for corolla tube: About 9 mm. Diameter of corolla tube: About 2 mm.

Petals.—Quantity: 5. Length: About 8 mm. Width: About 6 mm. Overall shape: Rounded and gamopetalous. Apex: Rounded. Base: Fused. Margin: Entire. Texture (upper & lower surfaces): Slightly velvety. Color: Upper surface, when opening: Blue, RHS N87B of violet group. Upper surface, opened flower: Blue, RHS N87B of violet group. Lower surface, when opening: Blue, RHS N87C of violet group. Lower surface, opened flower: Blue, RHS N87C of violet group. Corolla throat color: Yellow-orange, RHS 21A.

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

Reproductive organs:

Androecium.—Stamen: Number: 4. Arrangement: Didynamous. Type: Basifixed. Dehiscence of stamens: Extrose. Color: Yellow, RHS 137A. Anthers: Shape: Cylinder. Length: About 1 mm. Color: Yellow, RHS 13A. Filaments: Length: About 10 mm. Color: Green-Yellow, RHS 1C. Pollen: Amount:

Moderate. Color: Yellow, RHS 13A. Pollination requirements: Young flowers, active pollen, and receptive, open stigma.

Gynoecium.—Pistils: Quantity: 1. Length: About 9 mm. Stigma: Shape: Undulate. Width: About 0.5 mm. Color: Yellow-Green, RHS 150B. Style: Shape: Terete. Length: About 8 mm. Ovary: Shape: Ellipsoid. Position: Superior. Length: About 2 mm. Width: About 1 mm. Color: Green, RHS 143C.

Seeds:

Quantity per fruit.—About 20.

Shape.—Rounded.

Length.—About 0.5 mm.

Width.—About 0.5 mm.

Texture.—Rough.

Color.—Greyed-orange, RHS N167B.

Fruit:

Type.—Capsule.

Shape.—Ellipsoid.

Length.—About 3 mm.

Width.—About 1 mm.

Texture.—Rugose.

Color.—Greyed-orange, RHS 165B.

Disease/pest resistance: No information is currently available.

Disease/pest susceptibility: No information is currently available.

I claim:

1. A new and distinct *Sutera* plant named 'DANCOP20', as illustrated and described herein.

* * * * *

FIG. 1

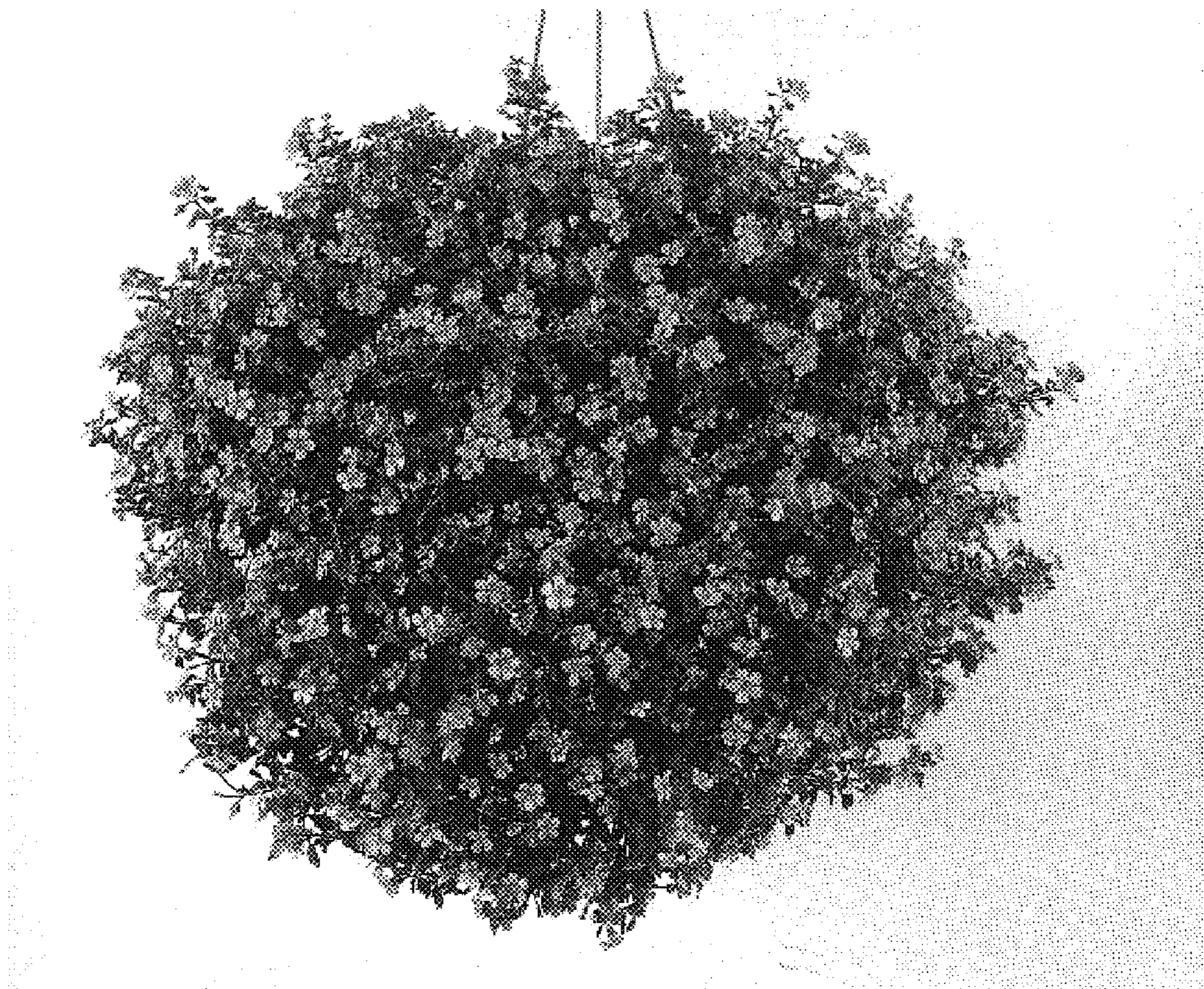


FIG. 2

