



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

(10) **Patent No.:** **US PP34,154 P2**
(45) **Date of Patent:** **Apr. 19, 2022**

(54) *ANGELONIA* PLANT NAMED ‘SAIANG002’

(50) Latin Name: *Angelonia angustifolia*
Varietal Denomination: SAIANG002

(71) Applicant: **Sakata Seed America, Inc.**, Morgan Hill, CA (US)

(72) Inventor: **Laura L. Masor**, Grover Beach, CA (US)

(73) Assignee: **Sakata Seed America, Inc.**, Morgan Hill, CA (US)

(*) 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.: **17/495,123**

(22) Filed: **Oct. 6, 2021**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/68 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./404**

(58) **Field of Classification Search**
USPC Plt./404
See application file for complete search history.

Primary Examiner — Susan McCormick Ewoldt
(74) *Attorney, Agent, or Firm* — Weatherly IP Solutions, LLC; Barbara Campbell

(57) **ABSTRACT**

An *Angelonia* plant particularly distinguished by having dark-purple flowers, strong stems, and an upright plant habit, is disclosed.

2 Drawing Sheets

1

Genus and species: *Angelonia angustifolia*.
Variety denomination: ‘SAIANG002’.

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct cultivar of *Angelonia* plant botanically known as *Angelonia angustifolia* and hereinafter referred to by the cultivar name ‘SAIANG002’. The new cultivar originated from a controlled breeding program in Arroyo Grande, Calif. during July 2017. The objective of the breeding program was to develop *Angelonia* cultivars having strong stems, a purple flower color, and an upright plant habit.

The new *Angelonia* cultivar is the result of cross-pollination between the female (seed) parent, the proprietary *Angelonia angustifolia* breeding selection ‘ANG-07161-01’ (unpatented), characterized by its medium-purple colored flowers, medium-green colored foliage, and moderately vigorous, upright growth habit, and the male (pollen) parent, the proprietary *Angelonia angustifolia* breeding selection ‘ANG-07159-02’ (unpatented), characterized by its dark-fuchsia colored flowers, medium-green colored foliage, and moderately-vigorous, upright growth habit. The new cultivar was selected as a single flowering plant within the progeny of the above stated cross-pollination during May 2018 in a controlled environment in Arroyo Grande, Calif. ‘SAIANG002’ has been asexually reproduced since May 2018 by terminal stem cuttings in Arroyo Grande, Calif. The breeder has confirmed that ‘SAIANG002’ reproduces true to type with all of the characteristics, as herein described, firmly fixed and retained through successive generations of such asexual propagation via terminal stem cuttings.

SUMMARY

The following are the most outstanding and distinguishing characteristics of this new variety when grown under normal horticultural practices in Salinas, Calif.

1. Dark-purple flowers;
2. Strong stems; and
3. An upright plant habit.

DESCRIPTION OF THE PHOTOGRAPHS

This *Angelonia* plant is illustrated by the accompanying photographs which show the plant’s overall plant habit

2

including form, foliage, and flowers. The photographs are of a plant 4.75-months from transplant into quart pots from rooted cuttings in Salinas, Calif. under greenhouse conditions. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.

FIG. 1 shows the overall plant habit of the plant grown in a pot.

FIG. 2 shows a close-up of the mature flower of the plant.

DESCRIPTION OF THE NEW VARIETY

The following traits and characteristics describe the new variety. Data obtained from plants grown 4.75-months from transplant into quart pots from rooted cuttings in Salinas, Calif., under greenhouse conditions. Color references are to The Royal Horticultural Society of London color chart (R.H.S.), 6th edition (2015). Anatomic labels are from *The Cambridge Illustrated Glossary of Botanical Terms*, by M. Hickey and C. King, Cambridge University Press.

Classification:

Family.—Plantaginaceae.

Botanical.—*Angelonia angustifolia*.

Common.—*Angelonia*; summer snapdragon.

Designation.—‘SAIANG002’.

Parentage:

Female.—The proprietary ‘ANG-07161-01’ (unpatented).

Male.—The proprietary ‘ANG-07159-02’ (unpatented).

Growth: The terminal 1.0 to 1.5 inches of an actively growing stem was excised. The vegetative cuttings were propagated in five to six weeks. The base of the cuttings was dipped for 1 to 2 seconds in a 1:9 solution of DIP ’N GROW (1 solution: 9 water) root inducing solution immediately prior to sticking into the cell trays. Cuttings were stuck into plastic cell trays having 98 cells, and containing a moistened peat moss-based growing medium. The cuttings were misted with water from overhead for 10 seconds every 30 minutes until sufficient roots were formed. Rooted cuttings were transplanted and grown in plastic pots in a glass greenhouse located in Salinas, Calif.

Pots contained a peat moss-based growing medium. Soluble fertilizer containing 20% nitrogen, 10% phosphorus and 20% potassium was applied once a day or every other day by overhead irrigation. Pots were top-dressed with a dry, slow-release fertilizer containing 20% nitrogen, 10% phosphorus and 18% potassium. The typical average air temperature was 24 degrees Celsius.

Propagation:

Type.—Cutting; terminal stem.

Time to initiate roots.—Approximately 7 to 9 days.

Time to produce a rooted cutting.—Approximately 28 to 35 days.

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Plant:

Commercial crop time.—Approximately 5 to 8 weeks from a rooted cutting to finish in a 10-cm pot.

Growth habit and general appearance.—Upright.

Height from soil level to top of plant plane.—Approximately 27.0 cm.

Width.—Approximately 27.0 cm.

Branching habit.—Freely branching.

Quantity of main branches per plant.—Approximately 3.

Branch:

Shape.—Square in cross section.

Strength.—Strong but slightly brittle.

Length.—Approximately 1.0 cm from the soil line to first node and 17.0 cm from soil to start of inflorescences.

Diameter.—Approximately 6.0 mm.

Length of central internode.—Approximately 1.0 cm.

Texture.—Very slightly pubescent, RHS NN155D (White).

Color of young and mature stems.—RHS 144B (Strong Yellow Green).

Leaves:

Quantity of leaves per main branch.—Approximately 5 to 10 leaves prior to main branch splitting off.

Fragrance.—Absent.

Form.—Simple.

Arrangement.—Opposite.

Aspect.—Perpendicular or obtuse to the stem.

Shape.—Lanceolate.

Apex.—Acuminate.

Base.—Attenuate.

Margin.—Serrate.

Venation pattern.—Pinnate.

Venation color.—Upper and lower surfaces: RHS 145C (Light Yellow Green).

Length of mature leaf.—Approximately 4.9 cm.

Width of mature leaf.—Approximately 1.2 cm.

Texture of upper and lower surfaces.—Very slight pubescence, RHS NN155D (White).

Color of young foliage.—Upper surface: Closest to but lighter than RHS 139A (Dark Yellowish Green). Lower surface: Closest to RHS 147B (Moderate Yellow Green) with RHS 145C (Light Yellow Green) midvein.

Color of mature foliage.—Upper surface: Closest to but lighter than RHS 139A (Dark Yellowish Green). Lower surface: Closest to RHS 147B (Moderate Yellow Green) with RHS 145C (Light Yellow Green) midvein.

Flowers:

Description.—Solitary, zygomorphic.

Type.—Terminal raceme.

Flowering habit.—Freely flowering under outdoor growing conditions with substantially continuous blooming from spring through Autumn and year-round in a greenhouse environment.

Lastingness of individual flower on the plant.—Approximately 7 to 10 days.

Quantity per plant.—Approximately 30.

Quantity of fully open flowers per inflorescence.—Approximately 6 to 10.

Fragrance.—Floral, crisp.

Length.—5.0 cm to 12.0 cm.

Width.—4.0 cm to 4.5 cm.

Pedicel.—Strength: Flexible. Aspect: Acute angle or perpendicular to stem. Length: Approximately 1.1 cm. Diameter: Approximately 1.0 mm. Texture: Glabrous. Color: RHS 144A (Strong Yellow Green) with RHS 146A (Moderate Olive Green) towards the sepals.

Bud:

Rate of opening.—Generally, takes 3 to 4 days for bud to progress from first color to fully open flower.

Quantity per inflorescence.—Between 6 to 20 depending on inflorescence size of varying stages.

Bud just before opening.—Shape: Globular. Length: Approximately 1.0 cm. Diameter: Approximately 8.0 mm. Color: Upper surface: Closest to but darker than RHS 83C (Strong Purple). Lower surface: Slight RHS 144C (Strong Yellow Green) with a background of lighter than RHS 85D (Very Pale Purple) with spots of RHS N77A (Greyish Purple).

Corolla:

Shape.—Bilabiate.

Aspect.—Facing outward.

Length.—Approximately 2.2 cm.

Width.—Approximately 2.0 cm.

Depth.—Approximately 4.5 mm.

Petals:

Quantity.—5, petals are fused at base forming a throat and consisting of an upper lip with 2 petals and a lower lip with 3 petals, consisting of 2 lateral petals and one central petal.

Shape.—Obovate.

Apex.—Obtuse.

Base.—Fused.

Margin.—Entire but slightly erose and slightly wavy.

Upper lip.—Length of petals from throat: Approximately 7.0 mm. Width of each petal: Approximately 1.1 cm. Texture of both the upper and lower surfaces: Slightly pubescent. Gland color: Colorless; transparent. Color of both the upper and lower surfaces when fully open: Closest to but slightly darker than RHS 83A (Dark Purple).

Lower lip, lateral petals.—Length of petals from throat: Approximately 7.0 mm. Width of each petal: Approximately 10.0 mm. Texture of both upper and lower surfaces: Slightly pubescent. Gland color: Colorless, transparent. Color of both the upper and lower surfaces when fully open: Closest to but slightly darker than RHS 83A (Dark Purple).

Lower lip, central petal.—Length from the palate: Approximately 5.5 mm. Width: Approximately 8.0 mm. Texture of upper surface: Slightly pubescent.

Texture of lower surface: Moderately pubescent. Gland color: Colorless, transparent. Color of both the upper and lower surfaces when fully open: Closest to but slightly darker than RHS 83A (Dark Purple).

Throat.—Length: Approximately 10.0 mm. Width: Approximately 7.0 mm. Texture of inner and outer surfaces: Glabrous. Color of inner surface: Lighter than RHS 84D (Very Pale Purple) with RHS 200A (Dark Greyish Reddish Brown) spots. Color of outer surface: Slight RHS 84D (Very Pale Purple) with RHS 84C (Light Purple) and RHS N187A (Dark Greyish Purple) spots. Palate color: RHS 149A (Brilliant Yellow Green). Palate texture: Sparsely pubescent. Teeth color: RHS 145C (Light Yellow Green).

Calyx:

Shape.—Star, cupped.

Diameter.—Approximately 6.0 mm.

Sepals.—Quantity per flower: 5, fused. Shape: Lanceolate. Apex: Acute. Length: Approximately 3.0 mm. Width: Approximately 2.0 mm. Texture of both the upper and lower surfaces: Glabrous. Gland color: Colorless, transparent. Color of upper surface: Slightly darker than RHS 143A (Strong Yellow Green) with slight anthocyanin of N187A (Dark Purplish Red). Color of lower surface: Slightly darker than RHS 143A (Strong Yellow Green).

Reproductive organs:

Androecium.—Stamen quantity: 4 per flower. Filament length: Approximately 4.0 mm. Filament texture: Glabrous. Gland color: Colorless, transparent. Filament color: RHS NN155D (White). Anther shape: Bi-lobed. Anther length: Approximately 1.0 mm. Anther color: RHS N92C (Dark Violet). Pollen amount: Abundant. Pollen color: RHS 11C (Pale Yellow).

Gynoecium.—Pistil quantity: 1 per flower. Pistil length: Approximately 3.0 mm. Stigma shape: Globular. Stigma length: Approximately 1.0 mm. Stigma color: Slightly lighter than RHS N144C (Strong Yellow Green). Style length: Approximately 2.0 mm. Style color: RHS NN155D (White). Ovary diameter: Approximately 1.0 mm. Ovary texture: Glabrous. Ovary color: RHS N144C (Strong Yellow Green).

Seed: Not observed.

COMPARISON WITH PARENTAL LINES AND KNOWN VARIETY

When ‘SAIANG002’ is compared to both parental lines, the following differences can be found, as listed in Table 1:

TABLE 1

Comparison with Parental Lines			
Characteristic	‘SAIANG002’	Female Parent ‘ANG-07161-01’	Male Parent ‘ANG-07159-02’
Flower color	Dark Purple	Lighter purple than ‘SAIANG002’	Dark Fuchsia
Flower size	Larger flowers than both female and male parents	Smaller flowers than ‘SAIANG002’	Smaller flowers than ‘SAIANG002’
Quantity of flowers per plant	More flowers per plant than both female and male parents	Less flowers per plant than ‘SAIANG002’	Less flowers per plant than ‘SAIANG002’

When ‘SAIANG002’ is compared to the commercial comparison ‘Balarecpur’ (U.S. Plant Pat. No. 23,522), the following differences can be found, as listed in Table 2:

TABLE 2

Comparison with Similar Commercial Variety		
Characteristic	‘SAIANG002’	‘Balarecpur’
Color of upper surface when fully open	Closest to, but slightly darker than RHS 83A (Dark Purple)	RHS N87A
Corolla size	Length: Approximately 2.2 cm Width: Approximately 2.0 cm Depth: Approximately 4.5 mm	Length: Approximately 3.0 cm. Width: Approximately 2.8 cm. Depth: Approximately 1.0 cm.

I claim:
1. A new and distinct variety of *Angelonia* plant named ‘SATANG002’ as described and illustrated herein.

* * * * *



FIG. 1



FIG. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP34,154 P2
APPLICATION NO. : 17/495123
DATED : April 19, 2022
INVENTOR(S) : Laura L. Masor

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

Column 6, Line 43, instead of "SATANG002"; should read -- SAIANG002 --.

Signed and Sealed this
Thirteenth Day of September, 2022


Katherine Kelly Vidal
Director of the United States Patent and Trademark Office