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Nishita et al.

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(54) **PORTULACA PLANT NAMED ‘SAKPOR013’**

(50) Latin Name: *Portulaca oleracea*
Varietal Denomination: **SAKPOR013**

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See application file for complete search history.

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(57) **ABSTRACT**

A *portulaca* plant particularly distinguished by having white flowers with yellow-green eyes, long flower blooming period and a dense, compact, and mounding plant growth habit, is disclosed.

2 Drawing Sheets

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Genus and species: *Portulaca oleracea*.
Variety denomination: ‘SAKPOR013’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *portulaca* plant, botanically known as *Portulaca oleracea*, and referred to by the variety name ‘SAKPOR013’.

‘SAKPOR013’ originated from a hybridization made in October 2009 in Kakegawa, Japan. The female parent was an unpatented proprietary *Portulaca* breeding line named ‘7B1-18A-V4’ which had a red flower color and a semi-upright plant growth habit. The male parent was an unpatented proprietary *Portulaca* breeding line named ‘7B1-38A-V5’, characterized by its pink flower color and domed plant growth habit.

In October 2009, ‘7B1-18A-V4’ and ‘7B1-38A-V5’ were crossed and F₁ seeds were harvested. In May 2010, the F₁ seed was sown in the greenhouse and cultivated. In August 2010, three plants were selected from the F₁ group. In October 2010, F₂ seeds were harvested after crossing within the three plants. The plants were evaluated, and plant line ‘K2012-193’ was selected for its white flower color, long flower blooming period and domed plant growth habit.

In March 2012, line ‘K2012-193’ was vegetatively propagated and cultivated. In August 2012, the breeder confirmed that line ‘K2012-193’ was fixed and stable. The line ‘K2012-193’ was propagated and cultivated again in 2013 and 2014 to reconfirm the lines’ stability. The line was subsequently named ‘SAKPOR013’ and its unique characteristics were found to reproduce true to type in successive generations of asexual propagation.

SUMMARY

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

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1. White flower color with yellow-green eye;
2. Long flower blooming period; and
3. A dense, compact, and mounding plant growth habit.

CROSS REFERENCE TO RELATED APPLICATIONS

Plant Breeder’s Rights for ‘SAKPOR013’ were applied for in Japan on Sep. 9, 2014 (Application number 29526). ‘SAKPOR013’ has not been made publicly available or sold more than one year prior to the filing date of this application.

DESCRIPTION OF THE PHOTOGRAPHS

This *portulaca* plant is illustrated by the accompanying photographs which show the plant’s overall plant habit including form, foliage, and flowers. The photographs are of a three month old plant grown 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 inflorescence of the plant.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of ‘SAKPOR013’. The data which define these characteristics were collected from three month old plants grown in Salinas, Calif. Color references are to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), 4th edition (2001).

Classification:

Family.—Portulacaceae.

Botanical.—*Portulaca oleracea*.

Common.—Purslane.

Designation.—‘SAKPOR013’.

Parentage:

Female parent.—'7B1-18A-V4' (unpatented).

Male parent.—'7B1-38A-V5' (unpatented).

Growth:

Time to produce a rooted cutting.—About 2 weeks. 5

Environmental conditions for plant 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 were 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 20 cm diameter 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° C. 10

Plant description:

Habit and form.—Dense, compact, and mounding. 30

Height.—Approximately 11.5 cm from soil line to top of foliage.

Spread.—Approximately 31.0 cm.

Time and conditions to produce a rooted cutting.—2 weeks. 35

Life cycle.—Annual.

Flowering requirements.—Blooms repeatedly from spring to fall.

Stems:

General description.—Round with lateral ridges. 40

Stem color.—Closest to RHS 144B.

Anthocyanin color.—RHS 59A (Red-Purple).

Pubescence.—Absent.

Stem diameter.—2.0 mm to 3.0 mm.

Stem length.—13.0 cm to 16.0 cm. 45

Internode length.—1.0 cm.

Branching.—Abundant.

Leaves:

Arrangement.—Alternate.

Shape.—Oblanceolate. 50

Apex.—Acute.

Base.—Rounded.

Margin.—Entire.

Leaf attachment.—Petiolate.

Surface appearance (both surfaces).—Dull, slightly waxy. 55

Leaf length.—2.6 cm.

Leaf width.—1.3 cm.

Leaf thickness.—Less than 1.0 mm.

Surface texture (both surfaces).—Dull, slightly waxy, soft. 60

Leaf color.—Upper surface: Closest to but brighter than RHS 146A (Yellow-Green). Lower surface: Closest to RHS 147C (Yellow-Green).

Leaf surface pubescence.—Absent.

Venation.—Only the mid vein is visible. 65

Petiole.—Absent.

Fragrance.—Absent.

Inflorescence:

Inflorescence type.—Solitary, sessile.

Flowering habit.—Determinate.

Time to bloom from propagation.—6 to 8 weeks.

Lastingness of individual blooms on the plant.—1 day.

Flower diameter.—3.3 cm.

Flower depth.—0.5 cm to 1.0 cm.

Fragrance.—Absent.

Flower bud:

Surface appearance and texture.—Shiny, pubescent.

Shape.—Lanceolate.

Bud length.—1.0 cm. 15

Bud diameter.—4.0 mm.

Bud color.—RHS 145A (Yellow-Green) with RHS 145C (Yellow-Green) around midpoint.

Corolla:

Shape.—Five distinct petals, free, petals are heart-shaped with a square base.

Petal pubescence.—Glabrous.

Petal size.—Length: 1.6 cm. Width: 1.2 cm.

Petal apex.—Retuse. 25

Petal margin.—Double lobed.

Petal color, both surfaces.—Closest to RHS 155C (White) but pure white.

Calyx:

Arrangement.—Composed of two sepals, free. 30

Sepals.—Shape: Elliptic. Apex: Cuspidate. Margin: Entire, slightly sinuate. Sepal length: 7.0 mm. Sepal diameter: 5.0 mm. Sepal color: Closest to RHS 144B (Yellow-Green) and translucent. Texture (both surfaces): Soft, dull and slightly sticky. Appearance: Double lobed, slightly sinuate. 35

Reproductive organs: Androecium.

Stamen number.—Many.

Stamen form.—Free. 40

Stamens color.—Anther: RHS 17A (Yellow-Orange). Filament color: RHS 145D (Yellow-Green).

Stamen length.—5.0 mm.

Pollen amount.—Minimal.

Pollen color.—RHS 17A (Yellow-Orange). 45

Fragrance.—Absent.

Placental arrangement.—Central.

Pistil number.—1 (per inflorescence).

Pistil length.—1.0 cm. 50

Stigma color.—Closest to RHS 155C (White) but pure white.

Stigma length.—3.5 mm.

Style length.—6.5 mm.

Style color.—Closest to RHS 145C (Yellow-Green).

Seed production.—Absent.

Disease and insect resistance: None observed.

Environmental conditions, disease and insect resistance: None observed.

COMPARISON WITH PARENTAL LINES AND KNOWN VARIETY

'SAKPOR013' is a distinct variety of *Portulaca* owing to its white flower color and domed plant habit. 'SAKPOR013' is distinguished from its parents as shown below in Table 1. 65

TABLE 1

Comparison with Parental Lines			
Characteristic	'SAKPOR013'	Female parent: '7B1-18A-V4'	Male parent: '7B1-38A-V5'
Flower color	White	Red	Pink
Plant growth habit	Domed	Semi-mounding, upright	Domed

'SAKPOR013' is most similar to the variety SUN DANCE 'White', also known as 'SAKPOR006' (U.S. Plant Pat. No. 24,526) however, there are differences in flower petal color and plant growth habit as described in the table below.

TABLE 2

Comparison with Similar Variety		
Characteristic	'SAKPOR013'	SUN DANCE 'White'
Flower petal color, upper surface	Closest to RHS 155C (White) but pure white	RHS N155A (White) with RHS 145D (Yellow-Green) at base
Plant growth habit	Domed	Semi-mounding, upright

We claim:

1. A new and distinct variety of *portulaca* plant named 'SAKPOR013' as illustrated and described herein.

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FIG. 1

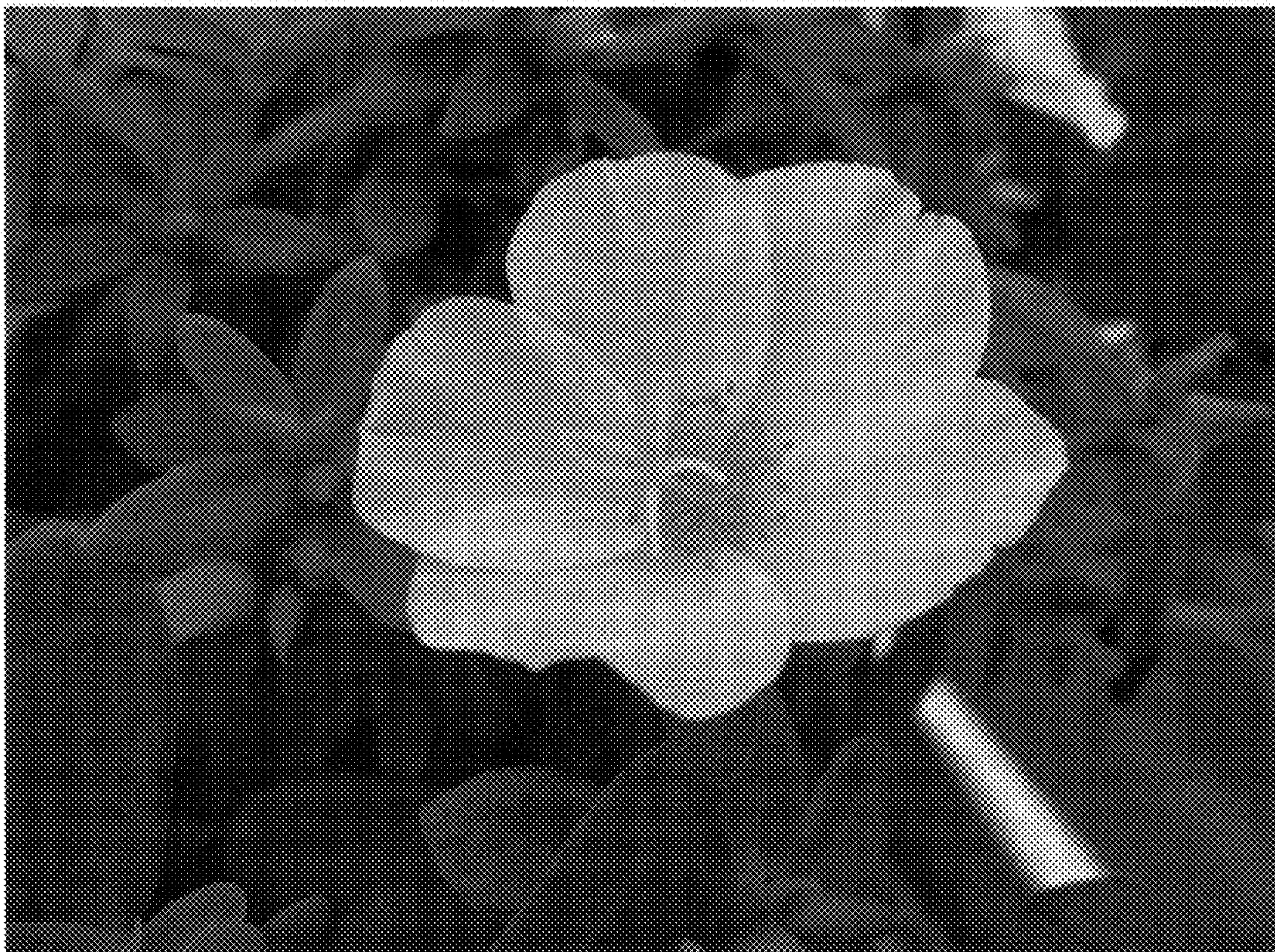


FIG. 2