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Ikeno et al.

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(54) **COLEUS PLANT NAMED 'SAKCOL018'**

(50) Latin Name: ***Solenostemon* sp.**
Varietal Denomination: **SAKCOL018**

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

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(57) **ABSTRACT**

A coleus plant particularly distinguished by medium leaves and pink and purple leaves with green margins, is disclosed.

2 Drawing Sheets

Genus and species: *Solenostemon* sp.
Variety denomination: 'SAKCOL018'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of coleus, botanically known as *Solenostemon* sp., and hereinafter referred to by the variety name 'SAKCOL018'.

'SAKCOL018' originated from a cross-pollination conducted in October 2012 in Kakegawa, Japan in among multiple plants of six unpatented proprietary coleus lines designated '0-8C-3A-1B-5B-11D-3', '12TH-2', '12C-3', '12M-4', '12H-5' and '12TL-1'. The cross-pollination was conducted in a cage using bees. Seven-hundred seeds were harvested from the '12TH-2' plants. The seeds harvested from the '12TH-2' plants are composed of hybrid seeds and self-pollinated seeds.

The seeds obtained from the '12TH-2' plants were sown and a single plant selection designated 'L2013-CO015' was selected for its multi-colored leaf pattern with a dark brown inner leaf color, green outer leaf color, creeping plant habit, and small leaves. The breeder confirmed that 'L2013-CO015' was fixed and stable. 'L2013-CO015' was subsequently named 'SAKCOL018'.

The new plant was first asexually propagated in 2013 in Japan and has been asexually reproduced by vegetative cuttings for almost three years in Japan. The present invention has been found to retain its distinctive characteristics through successive asexual propagations by vegetative cuttings.

'SAKCOL018' has not been made publicly available or sold more than one year prior to the filing date of this application.

SUMMARY OF THE NEW PLANT

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

1. Medium leaves; and
2. Pink and purple leaves with green margins.

DESCRIPTION OF THE PHOTOGRAPHS

This new coleus plant is illustrated by the accompanying photographs which show the overall plant habit, and foliage of a plant aged 7 months old. The colors are as true as can be reasonably obtained by conventional photographic procedures.

FIG. **1** shows the whole plant, including habit and foliage.

FIG. **2** shows a close-up of the foliage.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of 'SAKCOL018'. The data which defines these characteristics were collected from plants grown 7 months from transplant into 4-inch pots from rooted cuttings in Salinas, Calif., under greenhouse conditions. Color references are to The Royal Horticultural Society Colour Chart, 4th edition. Anatomic labels are from *The Cambridge Illustrated Glossary of Botanical Terms,* by M. Hickey and C. King, Cambridge University Press.

Classification:

Family.—Lamiaceae.
Botanical name.—*Solenostemon* sp.
Common name.—Coleus.
Denomination.—'SAKCOL018'.

Plant:

Type.—Annual.
Habit.—Semi-trailing.
Form.—Compact, 2 main branches, 6 secondary branches.
Height.—14.0 cm.
Spread.—31.0 cm.
Propagation type.—Vegetative cuttings.

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 for 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 degrees C.

Lateral branches:

Length.—17.0 cm to 18.5 cm.
Diameter.—6.0 mm to 8.0 mm.
Internode length.—1.3 cm to 2.4 cm.
Strength.—Branches separate easily.
Aspect.—Large.
Shape in cross-section.—Square.
Texture.—Very slight pubescent.
Pubescence color.—RHS N155A (White).
Flowering branch.—Absent.

Leaves:

Arrangement.—Opposite.
Length.—4.5 cm.
Width.—3.7 cm.
Broadest part of the leaf blade.—Middle.
Shape.—Cordate.
Apex.—Lanceolate.
Base.—Cordate.
Margin.—Crenate.
Texture, upper surface.—Very slight pubescence, soft with very slight blistering.
Texture, lower surface.—Soft with pronounced venation, glabrous.
Venation pattern.—Reticulate.
Vein color, upper surface.—RHS 59A (Red-Purple).
Vein color, lower surface.—Closest to RHS 145D (Yellow-Green).
Petiole length.—2.2 cm.
Petiole diameter.—2.0 mm.
Petiole color.—Closest to RHS 154A (Yellow-Green).
Petiole texture.—Very slight pubescent.
Variegation.—Present.
Leaf color.—Multicolored, bright pink at center, with blotches of dark green/maroon then bright green towards leaf margin. Upper surface: Closest to RHS 59C (Red-Purple) with blotches closest to RHS 200A (Black) with slight RHS 147A (Yellow-Green) increasing towards margin, and RHS 143A (Yellow-Green) at leaf margin. Lower surface: Closest to RHS147B (Yellow-Green) with blotches of 59A (Red-Purple) towards mid vein with most mature foliage having a blotch closest to RHS 27A (Orange) at base.

Reproductive organs: No flowers observed.

Temperature tolerance: 2 degrees C. to 35 degrees C.

Disease or insect resistance: No disease or insect resistance observed.

COMPARISON WITH PARENTAL LINES AND KNOWN VARIETY

'SAKCOL018' is a new and distinct cultivar of coleus owning to its unique multicolored leaf pattern and compact and dense semi-creeping habit. It is distinguished from its parents as described in Table 1 below.

TABLE 1

Comparison with Parental Lines

Parental lines	Leaf color	Plant habit
'0-8C-3A-1B-5B-11D-3'	Inner leaf: rose color; Outer leaf: dark brown with green edge and large leaves.	Erect
'12TH-2' (female parent)	Inner leaf: dark brown; Outer leaf: green with small leaves.	Creeping
'12C-3'	Leaf color is yellow-green with rose colored veins with small leaves.	Creeping
'12M-4'	Inner leaf: dark brown; Outer leaf: red with light green edge with wavy leaves	Erect
'12H-5'	Leaf color are shades red with a dark green edge and large leaves.	Erect
'12TL-1'	Inner leaf: dark brown; Outer leaf: rose with small leaves.	Creeping
Comparison	**Leaf color**	**Plant habit**
'SAKCOL018'	Closest to RHS 59C (Red-Purple) with blotches closest to RHS 200A (Black) with slight RHS 147A (Green) increasing towards margin, and RHS 143A (Yellow-Green) at leaf margin.	Semi-creeping

'SAKCOL018' is most similar to the commercial variety 'Burgundy Wedding Train', also known as 'Kakegawa CE10' (U.S. Plant Pat. No. 17,003); however, there are differences as listed in Table 2 below.

TABLE 2

Comparison with Similar Variety

Characteristic	'SAKCOL018'	'Kakegawa CE10'
Leaf color, upper surface	Closest to RHS 59C (Red-Purple) with blotches closest to RHS 200A (Black) with slight RHS 147A (Green) increasing towards margin, and RHS 143A (Yellow-Green) at leaf margin.	Multi-color; base is RHS 77A (purple); edge is RHS 143B (green).
Leaf color, lower surface	Closest to RHS 147B (Yellow-Green) with blotches of 59A (Red-Purple) towards mid vein with most mature foliage having a blotch closest to RHS 27A (Orange) at base	Base is RHS 59A (red-purple); edge is RHS 139C (green)
Plant growth habit	Compact, Semi-creeping	Semi-creeping

We claim:

1. A new and distinct variety of coleus plant named 'SAKCOL018' as illustrated and described herein.

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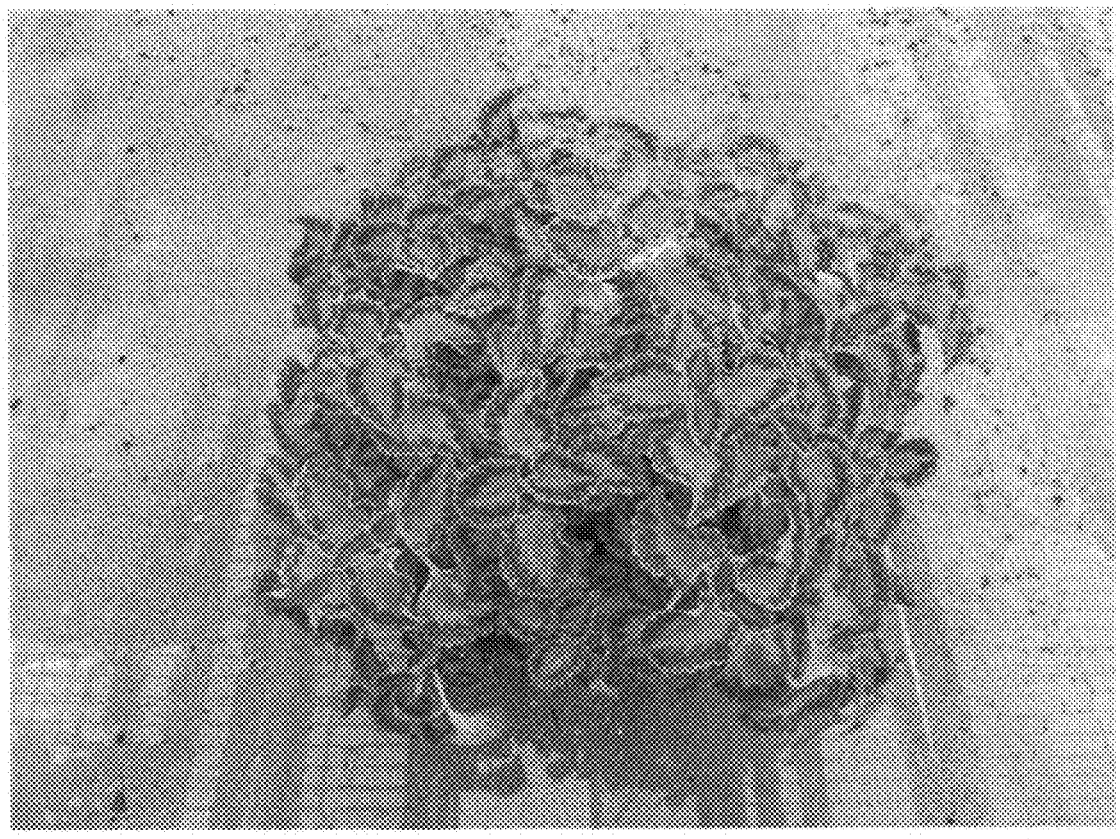

FIG. 1

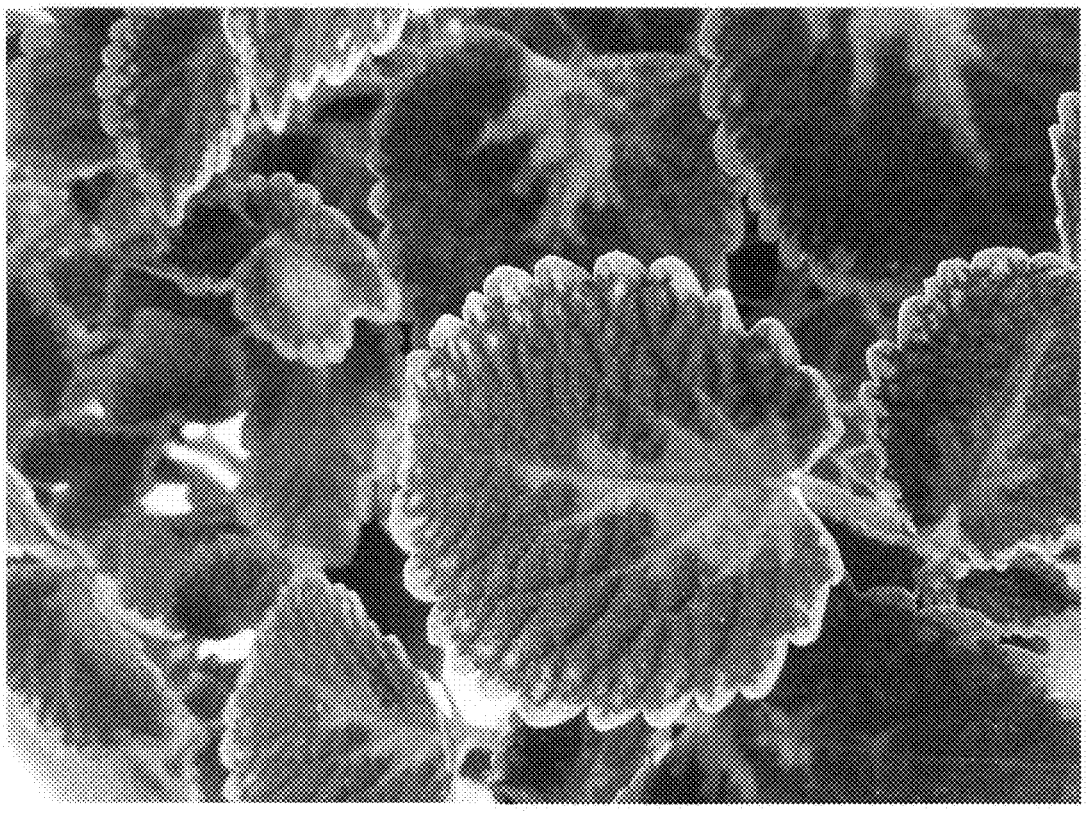

FIG. 2