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

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(54) **COLEUS PLANT NAMED ‘UF22-17-1’**

(50) Latin Name: *Coleus scutellarioides*
Varietal Denomination: **UF22-17-1**

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

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(51) **Int. Cl.**
A01H 6/00 (2018.01)
A01H 5/12 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./469**

(58) **Field of Classification Search**
USPC Plt./469
CPC A01H 6/00; A01H 5/12
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

PP35,344 P2 8/2023 Clark
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(57) **ABSTRACT**
A new and distinct cultivar of *Coleus* (*Coleus scutellarioides*) plant named ‘UF22-17-1’ having a combination of desirable traits that make it well-suited for use as an annual plant in the summer landscape. ‘UF22-17-1’ has foliage that is consistent bright reddish orange, surrounded by well-defined yellow green leaf margins. This bi-colored combination is novel, and ‘UF22-17-1’ maintains both colors under a wide range of light conditions. ‘UF22-17-1’ has exceptional vigor, grows wider than it does tall, and is highly branched and uniform in shape. ‘UF22-17-1’ is upright in habit, but it is highly branched and spreading in form.

3 Drawing Sheets

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Genus and species: *Coleus scutellarioides*.
Cultivar denomination: ‘UF22-17-1’.

CROSS-REFERENCE TO RELATED APPLICATIONS

N/A.

ACKNOWLEDGEMENT OF FEDERAL RESEARCH SUPPORT

N/A.

BACKGROUND OF THE NEW CULTIVAR

The invention relates to a new and distinct cultivar of *Coleus* plant named ‘UF22-17-1’. The new cultivar ‘UF22-17-1’ originated from an open pollination conducted in May-November 2021 in Citra, Florida, between the female *Coleus* plant ‘UF21-13-5’ (unpatented) and an unknown male *Coleus* plant. A single seedling was chosen in May 2022 for further asexual propagation in Gainesville, Florida.

The new cultivar ‘UF22-17-1’ has been reproduced asexually for over 11 months through vegetative meristem tip cuttings and has been found to retain its distinctive characteristics through successive asexual propagations. ‘UF22-17-1’ was first propagated asexually by vegetative meristem tip cuttings in May 2022 in Gainesville, Florida, and has remained true-to-type since that time.

Plant Breeder’s Rights for the new cultivar ‘UF22-17-1’ have not been applied for, and ‘UF22-17-1’ has not been

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made publicly available more than one year prior to the filing date of this application.

SUMMARY OF THE INVENTION

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The new cultivar ‘UF22-17-1’ has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary with variations in environment and cultural practices such as temperature, light intensity, fertilization, irrigation, and application of plant growth regulators without any change in genotype.

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The new cultivar ‘UF22-17-1’ was selected because it performs well in sun and shade and has excellent vigor. ‘UF22-17-1’ maintains bright reddish orange foliage color with consistent and well-defined yellow green margins in shade or sun. ‘UF22-17-1’ is novel due to its excellent vigor and well-branched uniformly spreading form, which is uncommon in *Coleus* plants having a significant amount of orange foliage color.

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The following are the most outstanding and distinguishing characteristics of ‘UF22-17-1’ when grown under normal horticultural practices in Gainesville, Florida: (1) ‘UF22-17-1’ has the combination of vigorous, upright habit and spreading growth form, excellent heat tolerance, and consistent bright reddish orange leaves with yellow green margins; (2) it has superior stability in foliage color in both sun and shade conditions, and it has a vigorous growth habit with excellent lateral branching, making it suitable for propagators and producers; and (3) ‘UF22-17-1’ has been observed to have long-season performance in landscape trials in Gainesville, Florida.

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When compared to the female parent 'UF21-13-5', 'UF22-17-1' has large leaves that are uniformly colored bright reddish orange with contrasting yellow green accents at the leaf margins. In contrast, 'UF21-13-5' has highly lobed leaves that are colored dark maroon with dark green margins, with predominant pink mid-veins. Additionally, 'UF22-17-1' has a vigorous upright habit with a spreading form that is well-branched, whereas 'UF21-13-5' is less vigorous, and more upright in form with less lateral branching and a less spreading form.

DESCRIPTION OF THE FIGURES

This new *Coleus* cultivar 'UF22-17-1' is illustrated by the accompanying photographs, which show the plant's form and foliage. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. FIGS. 2 and 3 were taken from plants grown eleven weeks from unrooted cuttings in September-December 2022 in a glass-covered greenhouse in Gainesville, Florida.

FIG. 1 shows the pedigree of the new *Coleus* cultivar 'UF22-17-1' as is shown and described herein;

FIG. 2 shows the growth habit, form, and foliage of the new *Coleus* cultivar; and

FIG. 3 shows a close-up view of the foliage of the new *Coleus* cultivar.

DETAILED BOTANICAL DESCRIPTION OF THE CULTIVAR

Foliage color was determined under full sun conditions in the middle of the day in a glass-covered greenhouse. Color references are to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), 2007 5th Edition. *Coleus* leaves are rarely one solid color but encompass hues, shades and tints, and color patterns differ from one genotype to another due to varying levels of variegation. The following detailed description of 'UF22-17-1' was obtained using eleven-week-old plants grown from unrooted cuttings in September-December 2022 in a glass-covered greenhouse in Gainesville, Florida. The plants were propagated in mist for ten days after cuttings were stuck, pinched, then grown in one-gallon pots for approximately nine and a half additional weeks.

BOTANICAL DESCRIPTION

Botanical classification:

Family.—Lamiaceae.

Botanical name.—*Coleus scutellarioides*.

Common name.—*Coleus*.

Cultivar name.—'UF22-17-1'.

Parentage:

Female or seed parent.—'UF21-13-5'.

Male or pollen parent.—Unknown.

Plant description:

Form.—Spreading.

Habit.—Upright.

Height (from top of soil).—25-30 cm.

Width (horizontal plant diameter).—55-60 cm.

Propagation:

Type cuttings.—Vegetative meristems having at least 1 node.

Time to initiate roots.—3-4 days.

Time to produce a rooted cutting.—7-10 days.

Root habit.—Fibrous.

Root description.—Callus forms in 2-3 days, roots initiate in 3-4 days and become a highly branched cutting in 7-10 days.

Branches:

Quantity per plant.—Approximately 6.

Branch color.—RHS 145A (yellow green).

Texture.—Smooth.

Pubescence.—Not present.

Stem description.—Square-shaped stem.

Branch diameter.—0.9-1.0 cm at the base of a 24-cm-long branch.

Branch length.—25-30 cm.

Internode length.—3 cm measured at mid-branch.

Anthocyanin.—Not present.

Leaves:

Quantity of leaves per branch.—18-20.

Arrangement.—Opposite.

Fragrance.—Not fragrant.

Shape.—Ovate.

Length.—12-13 cm.

Width.—8-9 cm.

Apex.—Broadly acute.

Base.—Attenuate.

Margin.—Highly lobed.

Leaf texture.—Adaxial (top): Pulverulent. Abaxial (bottom): Smooth.

Venation color.—Upper surface: RHS N186C (greyish red). Lower surface: RHS 134C (yellowish green).

Venation pattern (both upper and lower surfaces).—Reticulate.

Color, immature leaf.—Upper surface: Major color: RHS 172A (strong brown). Margins: RHS 144A (yellow green). Lower surface: Major color: RHS 134C (yellowish brown). Around veins: RHS N186C (greyish red).

Color, mature leaf.—Upper surface: Major color: RHS 175A (reddish orange). Margins and spotting and/or streaking near margins: RHS 144A (yellow green). Lower surface: Major color: RHS 138A (yellowish green). Around veins: RHS N186B (greyish purple).

Petiole length.—5 cm.

Petiole diameter.—0.2-0.3 cm.

Petiole color.—RHS 143C (yellow green).

Petiole texture.—Smooth, no pubescence.

Flowers and seeds: Flowers and seeds have not been observed during formal trials in Gainesville, Florida.

Fruit/seed set: Fruit/seed not observed.

Disease and insect resistance: Disease and insect resistance is typical of the species, thus no claims are made of any superior disease or insect resistance with this cultivar. The most common insect pests observed on this plant in Gainesville, Florida have been long-tailed or citrus mealybugs (*Pseudococcus* spp.), which occur on older stock plant material held in the greenhouse for over 3-4 months. Impatiens Necrotic Spot Virus (*Bunyaviridae*) has also been observed in plants confined in greenhouses with mixed crops (peppers) infected with Western flower thrips (*Frankliniella occidentalis*). The most common pathogen of this species in the U.S. is downy mildew (*Peronospora lamii*). This pathogen has been observed in stock materials grown closely together in cooler growing seasons.

COMPARISON WITH KNOWN CULTIVARS

When compared to the *Coleus* cultivar 'UF20-93-9' (U.S. Plant patent application Ser. No. 17/803,899, commercial

name Talavera Sienna), the new *Coleus* cultivar 'UF22-17-1' has a leaf coloration of reddish orange and broad-colored margins of yellow green with some yellow green spotting and streaking near the leaf margins on the upper surface of mature leaves, whereas 'UF20-93-9' has a leaf coloration of reddish orange and thin colored margins of yellow green

with no yellow green spotting or streaking near the leaf margins on the upper surface of mature leaves.

What is claimed is:

1. A new and distinct *Coleus scutellarioides* plant named 'UF22-17-1' as shown and described herein.

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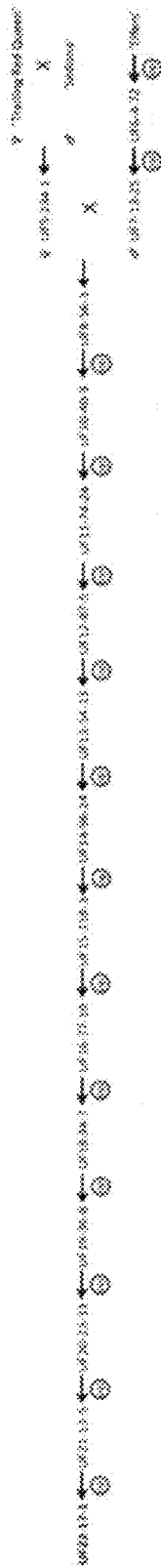


FIG. 1



FIG. 2

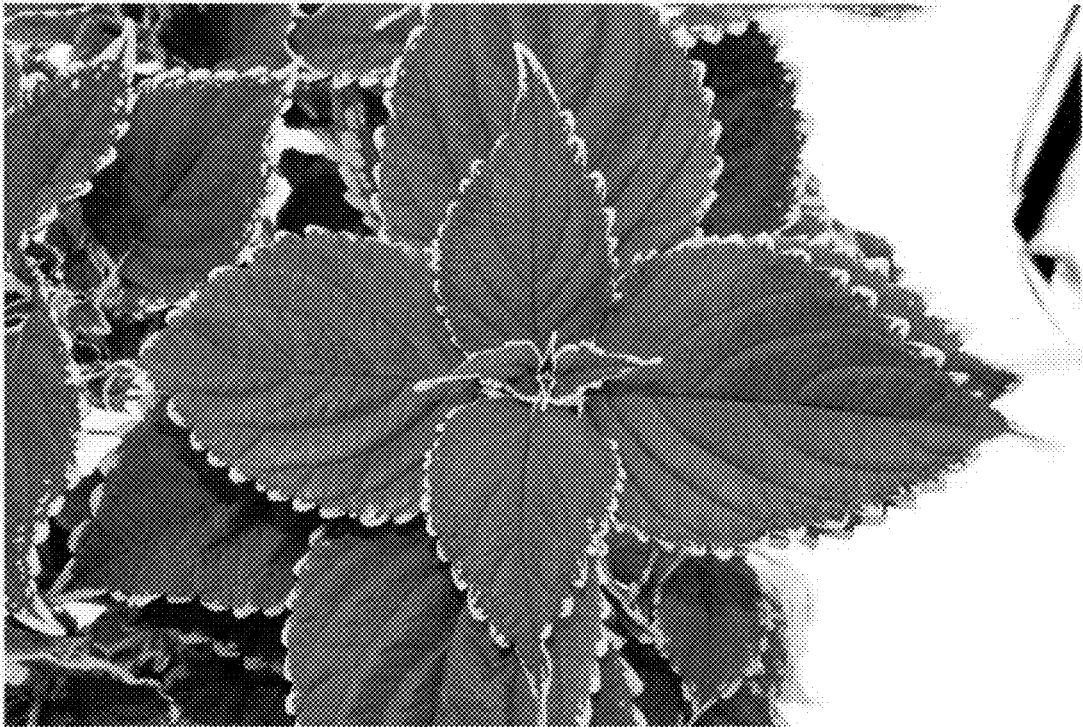


FIG. 3