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Van Dijk

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(54) *ANTHURIUM* PLANT NAMED ‘AN2347842’

(50) Latin Name: *Anthurium andraeanum* L.
Varietal Denomination: AN2347842

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(51) **Int. Cl.**
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(52) **U.S. Cl.**
USPC **Plt./368**

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

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(57) **ABSTRACT**

A new *Anthurium* plant named ‘AN2347842’ particularly distinguished by having medium blistered, strongly glossy, purplish-red, orbicular-cordate, and durable spathes that retain the original color for a very long period of time, with dark green, strongly glossy, concave, ovate-cordate, durable leaves, dark purplish-red spadices with dark red tips, early and rich flowering continuously throughout the year, and a plant height of 48.0 cm to 53.0 cm is disclosed.

3 Drawing Sheets

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Genus and species: *Anthurium andraeanum* L.
Variety denomination: ‘AN2347842’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *Anthurium*, botanically known as *Anthurium andraeanum* L., and hereinafter referred to by the variety name ‘AN2347842’. The new *Anthurium* plant is a product of a planned breeding program conducted by the inventor in Bleiswijk, the Netherlands. The objective of this breeding program was to create a new plant with a height of 48.0 cm to 53.0 cm having medium blistered and strongly glossy, purplish-red, orbicular-cordate, and durable spathes.

The new variety originated from a cross-pollination made in June 2012 in Bleiswijk, the Netherlands. The female parent was a purple *Anthurium* pot plant designated ‘24306-03’ (unpatented), and the male parent was a red *Anthurium* pot plant designated ‘20452-01’ (unpatented).

A single plant was selected from the progeny of the stated cross in July 2014. Asexual reproduction of the new variety by tissue culture in 2017 in Bleiswijk, the Netherlands, has demonstrated that the new variety reproduces true to type with all of the characteristics, as herein described, firmly fixed and retained through successive generations.

Community Plant Variety Rights for this variety have been applied for in the European Union on Nov. 19, 2021 (Application no. 2021/2981), by Applicant who obtained the subject matter disclosed directly from the inventor. ‘AN2347842’ has not been made publicly available or sold anywhere in the world prior to the effective filing date of this application with the exception of sales or disclosures made one year or less before the effective filing date of this claimed invention by Applicant who obtained ‘AN2347842’ directly from the inventor.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing characteristics of this new variety when grown under normal horticultural practices in Bleiswijk, the Netherlands:

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- 1) Medium blistered and strongly glossy, purplish-red, orbicular-cordate, and durable spathes;
- 2) Dark purplish-red spadices with dark red tips;
- 3) Green, strongly glossy, concave and ovate-cordate leaves; and
- 4) Concave spathes in cross section of middle zone.

DESCRIPTION OF THE PHOTOGRAPHS

This new *Anthurium* plant is illustrated by the accompanying photographs which show the overall plant habit including blooms, buds, and foliage of the plant; the colors shown are as true as can be reasonably obtained by conventional photographic procedures. The photographs are of a 44-week-old plant grown in a greenhouse in Bleiswijk, the Netherlands, in June 2022. Colors in the photographs may differ from the color values cited in the detailed botanical description, which accurately describe the actual colors of the new variety.

FIG. 1 shows the overall plant habit, including blooms, buds, and foliage.

FIG. 2 shows a close-up of the mature spathe.

FIG. 3 shows a close-up of the upper leaf blade surface.

DESCRIPTION OF THE NEW VARIETY

The following detailed description sets forth the distinctive characteristics of ‘AN2347842’. The data which define these characteristics were collected from asexual reproductions carried out in Bleiswijk, the Netherlands. The plant history was taken on 44-week-old plants which were planted from tissue culture in 14-centimeter (diameter) pots and grown in a glass greenhouse between 19° C. and 24° C. Observations were made in June 2022. Color readings were taken under 5000 lux natural light in the greenhouse. Color

references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.) (2015).

DETAILED BOTANICAL DESCRIPTION

Classification:

Family.—Araceae.

Botanical.—*Anthurium andraeanum* L.

Common name.—*Anthurium*.

Denomination.—‘AN2347842’.

Parentage:

Female parent.—*Anthurium* plant ‘24306-03’ (unpatented).

Male parent.—*Anthurium* plant ‘20452-01’ (unpatented).

Plant:

Propagation.—Tissue culture

Root description.—Fleshy, light yellow (RHS 160D) colored roots with small hairy lateral roots having greenish-yellow (RHS 3B) colored root tips.

Time to produce a finished flowering plant.—42 to 46 weeks after planting in a 14-cm (diameter) pot.

Growth habit.—Upright.

Height (measured from soil, including inflorescence)—48.0 cm to 53.0 cm.

Width (measured from leaf tips).—32.0 cm to 34.0 cm.

Leaves:

Immature leaves.—Length: 9.0 cm to 11.0 cm. Width: 6.0 cm to 8.0 cm. Color: Upper surface: RHS 146A. Lower surface: RHS 146B. Texture (both upper and lower surfaces): Glossy, leathery, and thin.

Mature leaves.—Length (fully expanded): 13.0 cm to 15.0 cm. Width: 9.0 cm to 10.0 cm. Shape: Ovate cordate. Apex: Cuspidate. Base: Cordate. Leaf blade angle with the petiole: Between 100 degrees and 120 degrees. Leaf margin: Entire. Color: Upper surface: RHS 147A. Lower surface: RHS 146B. Texture (upper surface): Strongly glossy, leathery, and thick. Texture (lower surface): Glossy, leathery, and thick. Venation: Pinnate veining; the mid-vein and primary veins (the veins that radiate out from the junction of petiole and leaf) protrude at the underside of the leaf blade. Venation color: Upper surface: RHS 144A. Lower surface: RHS 144B.

Lobes.—Present. Arrangement: Leaf blade has two lobes extending past the petiole. The lobes are non-touching. Length of lobes of mature leaf blades: 1.5 cm to 2.5 cm. Width of lobes of mature leaf blades: 3.5 cm to 4.5 cm. Distance from petiole/leaf junction to highest point on lobes of mature leaf blades: 3.5 cm to 4.5 cm.

Petiole.—Cross-section: Round. Diameter: 0.3 cm to 0.4 cm. Length: 19.0 cm to 22.0 cm for a mature leaf size. Color: Mature leaf: RHS 144A. Immature leaf: RHS 144B. Cataphyll color surrounding the petiole: Outside: RHS 144B. Inside: RHS 145C.

Geniculum.—Length: 2.0 cm to 2.5 cm. Width: 0.4 cm to 0.5 cm. Color: RHS 144B with a touch of RHS 183C.

Inflorescence:

Arrangement.—Single.

Flowering habit (length of flowering season).—Continuous.

Number of inflorescences per plant.—7 to 9.

Fragrance.—Absent.

Longevity of inflorescence on plant.—Over a year.

Spathe:

Buds.—The spathe is tightly rolled around the spadix and extrudes from the peduncle sheath. After the spathe is fully opened the peduncle elongates some extra centimeters.

Arrangement.—Spathe angle with the peduncle is between 110 degrees and 130 degrees; the spathe stands on a wiry peduncle about 5.0 cm to 8.0 cm above the foliage.

Shape.—Orbicular cordate.

Apex.—Mucronate.

Base.—Cordate.

Texture.—Medium blistered and strongly glossy.

Margin.—Weakly undulated.

Size.—Length: 7.0 cm to 8.0 cm. Width: 8.0 cm to 9.0 cm.

Lobes.—Present. Arrangement: The spathe has two lobes extending past the peduncle. The lobes are non-touching. Length: 1.0 cm to 1.5 cm. Width: 3.5 cm to 4.5 cm. Color: Just fully open: Upper surface: RHS N77B. Lower surface: RHS N77B. This purplish-red color remains for a short period, about 2 to 4 weeks. The spathe turns to a lighter purple (RHS 75C) color after some additional weeks.

Peduncle:

Shape.—Erect.

Cross-section.—Round.

Length.—31.0 cm to 34.0 cm.

Diameter.—0.3 cm to 0.4 cm.

Color.—RHS 144A.

Flowering time:

General.—One small, rooted, untreated tissue culture plant of 8.0 cm tall will flower, depending on the season, after 42 to 44 weeks and 7 to 8 blossoms appear. More blossoms appear after some additional weeks so that a full flowering and commercial plant will have 8 to 9 purplish-red spathes. Smaller blossoms may occur on immature plants.

Spadix:

Size.—Length: 3.0 cm to 4.0 cm (depending on flower size). Width (at apex): 0.6 cm to 0.7 cm. Width (at base): 0.6 cm to 0.7 cm.

Shape.—Columnar.

Angle of spadix tip with peduncle.—160 degrees to 170 degrees.

Texture.—When the spathe is unfurling, the spadix is smooth. When the spadix matures, small stigmata protrude. The stigmata are evenly distributed around the spadix. The spadix matures from base to top, slowly giving the spadix a somewhat rough appearance.

Color.—Immature: RHS 187B. Mature: RHS N79B. Ages to: A color in between RHS 146A and RHS N199B.

Flowers:

Quantity per spadix.—100 to 130.

Spadix flower arrangement.—Bisexual, rounded in cross-section.

Shape.—Rounded.

Size.—Length: 0.05 cm to 0.10 cm. Diameter (maximum): 0.10 cm.

Color.—RHS 76C.

Reproductive organs:

Stamens.—Not visible.

Pollen amount.—Absent.

Pistil.—Quantity: 100 to 130. Length: Less than 0.01 cm. Color: RHS 76C.

Style.—Not observed to date.

Stigma.—Shape: Ovoid. Diameter: Less than 0.01 cm. Color: RHS 76C.

Ovary.—Rarely visible.

Ovary color.—Not measured.

Fruit and seed set: None observed to date.

Disease and pest resistance: No specific resistance or susceptibility observed to pathogens or pests common to *Anthurium* under commercial conditions to date.

COMPARISON WITH PARENTAL AND SIMILAR COMMERCIAL VARIETIES

'AN2347842' differs from the female parent plant '24306-03' (unpatented) in that 'AN2347842' has purplish-red spathes that are concave in cross section of middle zone,

whereas '24306-03' has light purple spathes that are strongly concave in cross section of middle zone.

'AN2347842' differs from the male parent plant '20452-01' (unpatented) in that 'AN2347842' has small purplish-red, orbicular-cordate spathes, whereas '20452-01' has medium pink, ovate spathes.

'AN2347842' differs from the similar commercial variety 'ANTHCOMEOR' (unpatented) in that 'AN2347842' has light yellow roots and spathes that are concave in cross section of middle zone, whereas 'ANTHCOMEOR' has pink roots and spathes that are straight in cross section of middle zone.

'AN2347842' differs from the similar variety 'ANTHDUBAQ' (U.S. Plant Pat. No. 27,889) in that 'AN2347842' has ovate-cordate leaves and medium blistering of the spathes, whereas 'ANTHDUBAQ' has deltoid leaves and weak blistering of the spathes.

I claim:

1. A new and distinct variety of *Anthurium* plant named 'AN2347842', substantially as illustrated and described herein.

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FIG. 1

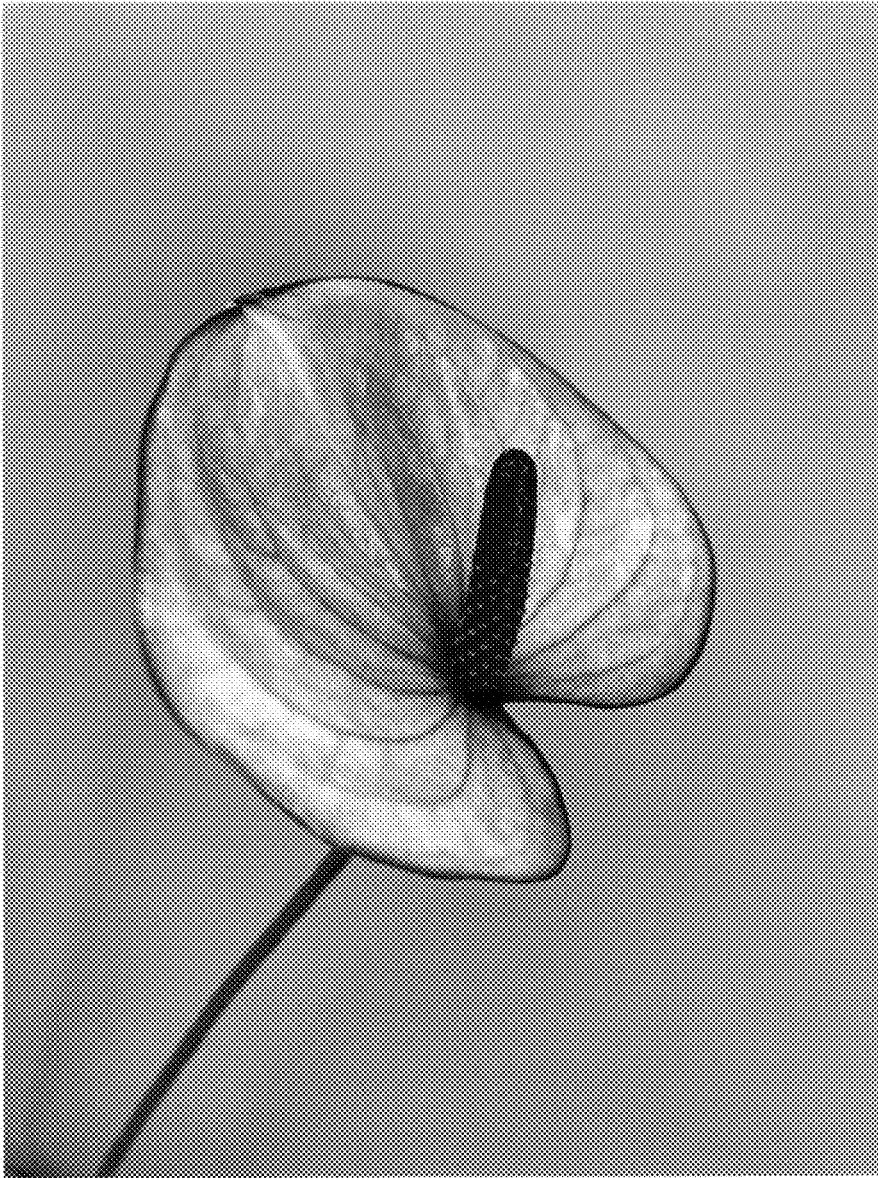


FIG. 2

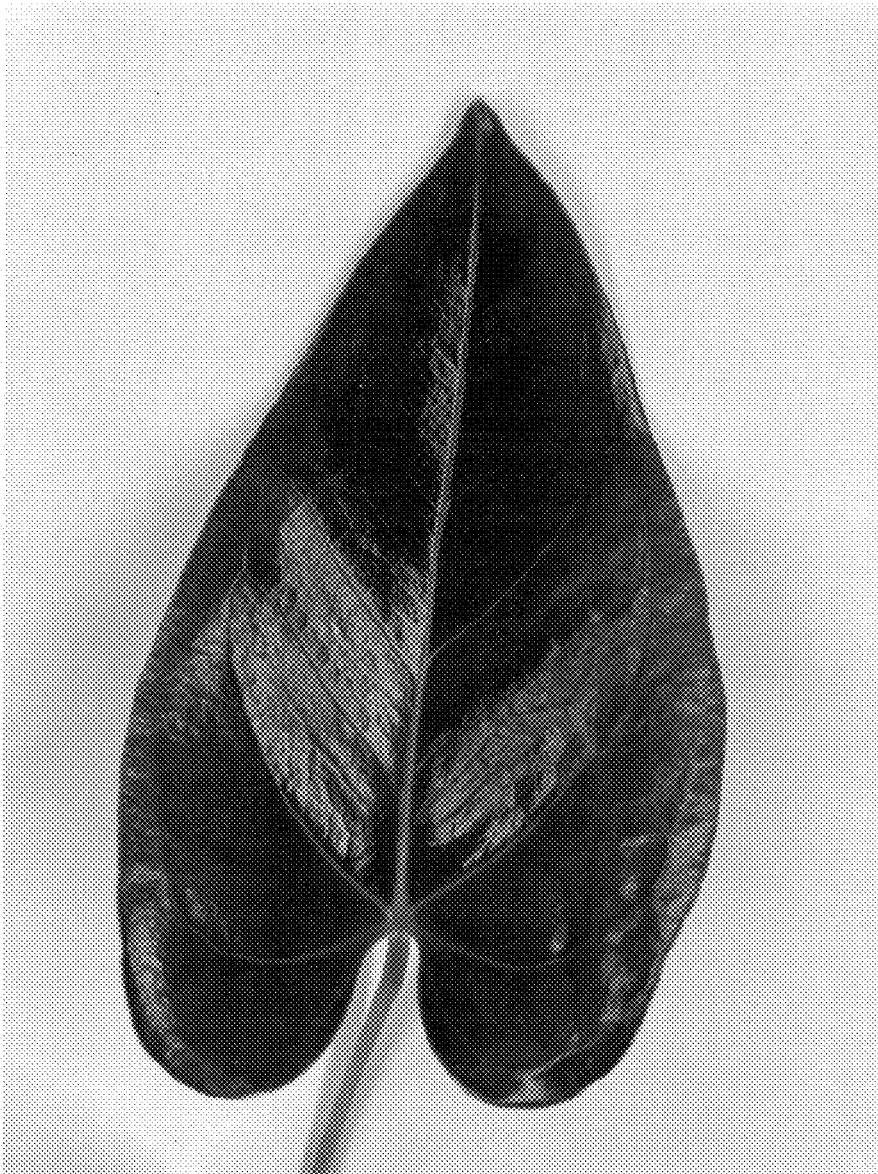


FIG. 3