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**van Rijn**

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- (54) **ANTHURIUM PLANT NAMED**  
**‘ARAANTRED6’**
- (50) Latin Name: *Anthurium andraeanum* Linden ex  
**Andre**  
Varietal Denomination: **ARAANTRED6**
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- (52) **U.S. Cl.**  
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See application file for complete search history.

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(57) **ABSTRACT**

‘ARAANTRED6’ is a new and distinctive variety of *Anthurium* plant which is characterized by the combination of a moderately fast-growing herbaceous perennial with a broad, upright growth habit, an abundance of inflorescences, held above the floral plane, vibrant red spathes, and the stability of all characteristics from generation to generation. The new variety is typically produced as an indoor ornamental plant.

**3 Drawing Sheets**

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Latin name of the genus and species: The Latin name of the genus and species of the novel variety disclosed herein is *Anthurium andraeanum* Linden ex Andre.

Variety denomination: The inventive variety of *Anthurium* disclosed herein has been given the variety denomination ‘ARAANTRED6’.

**CROSS REFERENCE TO RELATED APPLICATIONS**

This application claims priority to the Community Plant Variety Rights application number 2016/2993, filed Nov. 30, 2016, which is herein incorporated by reference.

**BACKGROUND OF THE INVENTION**

Parentage: The new cultivar is a seedling selection which resulted from the controlled pollination of *Anthurium andraeanum* ‘K38’ (not patented), the seed parent, and *Anthurium andraeanum* ‘K20’ (not patented), the pollen parent. Both parents are developed and owned by the inventor and were never commercially released. Said cross was performed by the inventor in De Lier, The Netherlands, in October of 2013. Seeds were harvested from ‘K38’, sown, and grown to maturity in order to evaluate for unique characteristics which may be of commercial value. In February of 2015, after evaluating the seedlings for approximately one year, one progeny was observed to exhibit a relatively fast rate of growth and an abundance of inflorescences with vibrant red spathes. The new cultivar was selected for commercialization and given the breeder denomination ‘ARAANTRED6’.

Asexual Reproduction: Asexual reproduction of ‘ARAANTRED6’, by way of meristematic tissue culture,

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was first performed in February of 2015 at a laboratory in De Lier, the Netherlands. Three successive generations so produced have shown that the unique features of the instant cultivar are stable and reproduced true to type.

**SUMMARY OF THE INVENTION**

The cultivar ‘ARAANTRED6’ has not been observed under all possible environmental conditions and the phenotype may vary somewhat with variations in the instant environment such as temperature, day length, and light intensity, without, however, any variance in genotype. The following characteristics have been repeatedly observed and represent the distinguishing characteristics of the new *Anthurium* cultivar ‘ARAANTRED6’. These traits, in combination, distinguish ‘ARAANTRED6’ as a new and distinct cultivar.

1. *Anthurium* ‘ARAANTRED6’ is a moderately fast-growing herbaceous perennial with a broad, upright growth habit; and
2. *Anthurium* ‘ARAANTRED6’ exhibits an abundance of inflorescences, held above the floral plane; and
3. *Anthurium* ‘ARAANTRED6’ exhibits inflorescences with vibrant red spathes.

**BRIEF DESCRIPTION OF THE FIGURES**

FIG. 1 shows, as nearly true as it is reasonably possible to make the same in color illustrations of this type, an exemplary plant of ‘ARAANTRED6’, grown in a greenhouse in De Lier, the Netherlands. The plant shown is approximately 40 weeks old from a rooted cutting, potted into a 17 cm nursery pot.

FIG. 2 shows, as nearly true as it is reasonably possible to make the same in color illustrations of this type, the typical foliage of 'ARAANTRED6'.

FIG. 3 shows, as nearly true as it is reasonably possible to make the same in color illustrations of this type, the typical inflorescence of 'ARAANTRED6'.

The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

#### BOTANICAL DESCRIPTION OF THE PLANT

The following is a detailed botanical description of a new and distinct variety of *Anthurium* known as 'ARAANTRED6', based upon observations made from a sample set of plants grown in 17 cm nursery pots which were approximately 40 weeks old from a rooted cutting. Plants were grown in a greenhouse in De Lier, The Netherlands, utilizing conventional greenhouse production protocols for *Anthurium*, which consisted of regular irrigation by way of ebb and flood watering benches and fertilizer applications of a complete fertilizer with micro nutrients at an electrical conductivity value ranging from 1.0 to 1.8. No chemical pest or disease measures were utilized in production. Young plants are assimilated to the greenhouse under shade cloth and later move to light levels ranging from 3000 to 4000 lux for the final 5 months of production. Observation data was recorded in October of 2017.

Those skilled in the art will appreciate that certain characteristics will vary with older or, conversely, with younger plants. 'ARAANTRED6' has not been observed under all possible environmental conditions. Where dimensions, sizes, colors and other characteristics are given, it is to be understood that such measurements are approximations or averages set forth as accurately as practicable. The phenotype of the variety may differ from the descriptions set forth herein with variations in environmental, climatic and cultural conditions. Color notations are based on *The Royal Horticultural Society Colour Chart*, The Royal Horticultural Society, London, sixth edition (2015).

A botanical description of 'ARAANTRED6' and comparisons with the parents and the most similar variety of common knowledge are provided below.

#### General plant description:

*Growth rate*.—Moderately fast.

*Plant vigor*.—Moderately vigorous.

*Growth habit*.—Dioecious clump-forming, herbaceous perennial; broad upright.

*Plant shape*.—Broad obovate.

*Height*.—41.0 cm in height, to the highest leaf; 53.8 cm to top of the floral plane.

*Width*.—Average 53.2 cm in width.

*Propagation*.—Stem cuttings and meristematic tissue culture.

*Time to initiate roots*.—Approximately 30 days to initiate roots at approximately 23 degrees Centigrade.

*Time to produce a finished marketable plant*.—Approximately 60 weeks to produce a marketable plant in a 14 cm nursery pot.

*Environmental tolerances*.—Adapt to, at least, USDA Zones 10 to 13 and temperatures ranging from as high as 40 degrees Celsius and as low as 5 degrees Celsius; moderate to high tolerance to rain; low tolerance to wind.

*Pest resistance and susceptibility*.—Plants have not been observed to be susceptible or resistant to pathogens and pests common to *Anthurium*.

#### Root system:

*Root structure; texture*.—Not very dense; non-fibrous; moderately fleshy.

*Dimensions*.—Average length of 12.8 cm long and 0.3 cm in diameter.

*Color*.—Orange-red, nearest to a combination of RHS 35C and 35D.

#### Stems:

*Branching characteristics*.—Basally-branched plant with leaves growing in small clumps which form short lateral branches.

*Quantity of clumps per plant*.—3.

*Quantity of additional clumps per year*.—3.

*Lateral branches*.—Dimensions — 3.1 cm long and 1.1 cm in diameter. Attitude — Approximately 10 degrees from vertical. Cross-section — Round. Texture and luster — Smooth, glabrous, and moderately glossy. Strength — Strong. Color, juvenile — Yellow-green, nearest to RHS 145B. Color, mature — Green, nearest to RHS 143B. Color at internodes — Green, nearest to RHS 143B.

#### Foliage:

*Arrangement*.—Alternate.

*Division*.—Simple.

*Quantity of leaves per lateral branch*.—5 leaves per clump.

*Leaf shape*.—Cordate.

*Leaf apex*.—Apiculate.

*Leaf base*.—Deeply cordate; lobes free.

*Aspect*.—Moderately to strongly concave.

*Leaf length*.—Average 20.8 cm in length.

*Leaf width*.—Average 12.0 cm in width.

*Leaf margin*.—Entire; very slightly undulate.

*Texture and luster, adaxial surface*.—Smooth, glabrous and moderately glossy.

*Texture and luster, abaxial surface*.—Smooth, glabrous and moderately glossy.

*Juvenile color, adaxial surface*.—Nearest to in between green, RHS 143A, and yellow-green, RHS 144A.

*Juvenile color, abaxial surface*.—Yellow-green, nearest to RHS 146A.

*Mature color, adaxial surface*.—Nearest to in between green, RHS 139A, and yellow-green, RHS 147A, but darker.

*Mature color, abaxial surface*.—Nearest to in between green, RHS 143A, and yellow-green, RHS 146A.

*Venation*.—Vein pattern — Pinnate. Vein color, adaxial surface — Yellow-green, nearest to RHS 144A. Vein color, abaxial surface — Yellow-green, nearest to RHS 145B.

*Petiole*.—Length — 28.0 cm, including the geniculum. Width — 0.3 cm. Texture and luster, both surfaces — Smooth, glabrous and moderately glossy. Color, adaxial surface — Nearest to in between green, RHS 143A, and yellow-green, RHS 144A. Color, abaxial surface — Yellow-green, nearest to RHS 144A. Strength — Very strong. Geniculum — Length — Approximately 2.5 cm. Width — Approximately 0.4 cm. Color — Yellow-green, nearest to in between RHS 144B and 144C. Petiole wings — Length — Approximately 2.9 cm. Width — Approximately 0.5 cm. Color — Yellow-green, nearest to in between

RHS 144A and 144B. Stipule — Occurrence — A dry stipule is present at the base of each petiole. Shape — Narrow oblong. Apex — Narrow apiculate to caudate. Base — Broad cuneate. Dimensions — 4.8 cm long and 1.0 cm wide. Texture and luster, both surfaces — Smooth, glabrous, and matte. Color, both surfaces — Greyed-orange, nearest to in between RHS 165A and 165B.

Inflorescence:

*Type.*—Consisting of a spathe and spadix.  
*Arrangement.*—Inflorescences are carried above the leaf plane.  
*Quantity per clump.*—2.  
*Quantity per plant.*—7.  
*Natural flowering season.*—Winter into spring.  
*Height of spathe.*—5.5 cm.  
*Time to flowering.*—13 weeks.  
*Fragrance.*—Non fragrant.  
*Self-cleaning or persistent.*—Persistent.  
*Flower longevity.*—Flowers stay in good condition for approximately 4 weeks.  
*Peduncle.*—Cross-section — Elliptical. Attitude — Approximately 15 degrees to the lateral branch axis. Length — Approximately 39.2 cm. Diameter — Approximately 0.4 cm. Texture and luster, both surfaces — Smooth, glabrous, and glossy. Color — Yellow-green, nearest to RHS 144A. Strength — Strong.

Spathe:

*Attitude.*—Approximately 10 degrees to horizontal; apex pointed slightly downward at an average angle of 10 degrees to the spathe.  
*Length.*—Approximately 12.9 cm.  
*Width.*—Approximately 11.0 cm.  
*Shape.*—Broad cordate; basal lobes free to touching.  
*Aspect.*—Flat to slightly concave.  
*Margin.*—Entire; lightly undulated.  
*Apex.*—Apiculate with a mucronate tip.  
*Base.*—Cordate.  
*Texture and luster, upper surface.*—Moderately rugose, glabrous, and very glossy.  
*Texture and luster, lower surface.*—Moderately rugose, glabrous, and very glossy.  
*Color.*—Upper surface, when opening — Red, nearest to RHS 45B, and slightly darker towards the margins, nearest to RHS N45A; outer tip is yellow-green, nearest to RHS 151A. Lower surface, when opening — Red, nearest to RHS 48A, and slightly darker towards the apex, nearest to in between RHS N45B and N45C; outer tip is yellow-green, nearest to RHS 151A. Upper surface, when fully opened — Red, nearest to RHS N45A, and slightly darker towards the apex, nearest to RHS N45B; outer tip is yellow-green, nearest to RHS 153A. Lower surface, when fully opened — Red, nearest to RHS 46A, and darker towards the apex, nearest to RHS N45B; outer tip is yellow-green, nearest to RHS 151B. Venation on the upper surface, when fully opened — Red, nearest to RHS N45A, and slightly darker towards the apex, nearest to RHS N45B. Venation on the lower surface, when fully opened — Black, nearest to RHS 202B. Upper surface when fading — Red, nearest to in between RHS 45B and N45A, and fading slightly lighter towards the base, nearest to RHS 45B, and moderately to heavily suffused with green-yellow, nearest to RHS 146C; outer tip is yellow-green, nearest to RHS N144A. Lower surface when fading — Red, nearest to RHS 47C, and

moderately to heavily suffused with green-yellow, nearest to in between RHS 144A and 144B, particularly towards the base; outer tip is yellow-green, nearest to RHS N144A.

5 Spadix:

*Attitude.*—Approximately 70 degrees to the spathe.  
*Aspect.*—Straight to weakly incurved.  
*Shape.*—Cylindrical.  
*Apex.*—Obtuse.  
*Base.*—Obtuse.  
*Length.*—Approximately 5.0 cm.  
*Width.*—Approximately 0.9 cm.  
*Texture and luster.*—Smooth, glabrous, and very slightly glossy.  
*Color.*—When opening — Yellow, nearest to in between RHS 13A and 13B. When fully opened — Yellow-white, nearest to RHS 158D. When fading — Yellow-green, nearest to RHS N144A.  
*Quantity of flowers per spadix.*—Approximately 240.  
*Spadix flower arrangement.*—Rotate.  
*Spadix flower shape.*—Flattened; rotate.  
*Spadix flower diameter.*—Approximately 2.5 mm.  
*Spadix flower depth.*—Approximately 0.75 mm.

Reproductive organs:

*Androecium.*—Stamen quantity — 4. Filament — Length — Very short; approximately 0.1 mm long. Color — Light yellow-orange; R.H.S. color designations cannot be determined due to the minute nature of the filament. Anther — Anther shape — Narrow, oblong with a longitudinal slit forming two halves. Anther size — 0.5 mm long and 0.25 mm in diameter. Anther color — Light greyed-yellow, nearest to RHS 161D. Pollen — Amount of pollen — Scarce. Pollen color — Yellow, nearest to RHS 11D.  
*Gynoecium.*—Pistil quantity — One. Length — 0.5 mm. Stigma — Shape — Club-shaped. Dimensions — Approximately 0.3 mm across and 0.15 mm tall. Color — Greyed-yellow, nearest to RHS 160D but lighter. Style — Length — 0.35 mm. Color — Very light yellow-green; R.H.S. color designations cannot be determined due to the minute nature of the filament. Ovary — Color — Yellow-green, nearest to RHS 144B.

Seed and fruit: Seed production has not been observed.

COMPARISONS WITH THE PARENT

Plants of the new cultivar ‘ARAANTRED6’ differ from the seed parent, *Anthurium* ‘K38’ (not patented), in the following characteristics described in Table 1 below.

TABLE 1

Characteristic	‘ARAANTRED6’	‘K38’
Plant vigor.	More vigorous.	Less vigorous.
Growth habit.	Less compact.	More compact.
Size of the mature foliage.	Smaller than ‘K38’.	Larger than ‘ARAANTRED6’.
General coloration of mature foliage.	Lighter green.	Darker green.
Spathe shape.	Broad cordate; more rounded than ‘K38’.	Cordate; narrower than ‘ARAANTRED5’.

Plants of the new cultivar ‘ARAANTRED6’ may be distinguished from the pollen parent, ‘K20’ (not patented), by the following combination of characteristics described in Table 2 below.

TABLE 2

Characteristic	'ARAANTRED6'	'K20'
Size of the mature foliage.	Smaller than 'K20'.	Larger than 'ARAANTRED6'.
Bloom habit.	More floriferous than 'K20'.	Less floriferous than 'ARAANTRED6'.
Size of the spathe.	Larger than 'K20'.	Smaller than 'ARAANTRED6'.
Spathe texture.	More rugose.	Less rugose.

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COMPARISONS WITH THE MOST SIMILAR VARIETY OF COMMON KNOWLEDGE

Plants of the new cultivar 'ARAANTRED6' differ from the commercial variety, *Anthurium* 'TURENZA' (not patented), in the following characteristics described in Table 3 below.

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TABLE 3

Characteristic	'ARAANTRED6'	'TURENZA'
Growth habit.	Less compact.	More compact.
Size of the mature foliage.	Smaller than 'TURENZA'.	Larger than 'ARAANTRED6'.
General coloration of mature foliage.	Lighter green.	Darker green.
Spathe apex.	Apiculate with a mucronate tip.	Broadly mucronate.
Bloom habit.	More floriferous than 'TURENZA'.	Less floriferous than 'ARAANTRED6'.

That which is claimed is:

1. A new and distinct variety of *Anthurium* plant named 'ARAANTRED6', substantially as described and illustrated herein.

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FIG. 1



FIG. 2



FIG. 3

