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Gitzels

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(54) **DAHLIA PLANT NAMED ‘DAPAMAR’**

(50) Latin Name: *Dahlia variabilis*
Varietal Denomination: **Dapamar**

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USPC **Plt./321**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Dahlia* plant named ‘Dapamar’,
characterized by its double-type, medium red and yellow
bicolored flowers, medium green-colored foliage, and mod-
erately vigorous, compact-upright growth habit, is disclosed.

1 Drawing Sheet

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Latin name of genus and species of plant claimed: *Dahlia
variabilis*.

Variety denomination: ‘Dapamar’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Dahlia* plant botanically known as *Dahlia variabilis* and
hereinafter referred to by the cultivar name ‘Dapamar’.

The new cultivar originated in a controlled breeding pro-
gram in Rijsenhout, The Netherlands during October 2005.
The objective of the breeding program was the development
of *Dahlia* cultivars that are freely flowering with large flowers
and a moderately vigorous, compact-upright growth habit.

The new *Dahlia* cultivar is the result of open-pollination.
The female (seed) parent of the new cultivar is the proprietary
Dahlia variabilis breeding selection designated 1253, not
patented, characterized by its double-type, medium red-col-
ored flowers, medium green-colored foliage, and moderately
vigorous, compact-upright growth habit. The male (pollen)
parent of the new cultivar is unknown. The new cultivar was
discovered and selected as a single flowering plant within the
progeny of the above stated open-pollination during Septem-
ber 2006 in a controlled environment in Rijsenhout, The
Netherlands.

Asexual reproduction of the new cultivar by terminal stem
cuttings since September 2006 in Rijsenhout, The Nether-
lands and West Chicago, Ill. has demonstrated that the new
cultivar reproduces true to type with all of the characteristics,
as herein described, firmly fixed and retained through succes-
sive generations of such asexual propagation.

SUMMARY OF THE INVENTION

The following characteristics of the new cultivar have been
repeatedly observed and can be used to distinguish
‘Dapamar’ as a new and distinct cultivar of *Dahlia* plant:

- 1. Double-type, medium red and yellow bicolored flowers;
- 2. Medium green-colored foliage; and
- 3. Moderately vigorous, compact-upright growth habit.

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Plants of the new cultivar differ from plants of the female
parent primarily in flower color. The female parent is not
yellow bicolored.

Of the many commercially available *Dahlia* cultivars, the
most similar in comparison to the new cultivar is ‘Bal-
novapsee’, not patented. However, in side by side compari-
sons, plants of the new cultivar differ from plants of ‘Bal-
novapsee’ in at least the following characteristics:

- 1. Plants of the new cultivar are at least two weeks earlier to
flower than plants of ‘Balnovapsee’;
- 2. Plants of the new cultivar have a darker red and lighter
yellow ray floret color than plants of ‘Balnovapsee’; and
- 3. Plants of the new cultivar have the ray floret yellow
coloration located at the base of the ray florets, while the
yellow coloration is in a streaked pattern on the ray
florets of ‘Balnovapsee’.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs show, as nearly true as it is
reasonably possible to make the same in color illustrations of
this type, typical flower and foliage characteristics of the new
cultivar. Colors in the photographs differ slightly from the
color values cited in the detailed description, which accu-
rately describes the colors of ‘Dapamar’. The plants were
grown in 4-inch pots for 7 weeks in a greenhouse in West
Chicago, Ill.

FIG. 1 illustrates a side view of the overall growth and
flowering habit of ‘Dapamar’.

FIG. 2 illustrates a close-up view of an individual inflores-
cence of ‘Dapamar’.

DETAILED BOTANICAL DESCRIPTION

The new cultivar has not been observed under all possible
environmental conditions to date. Accordingly, it is possible
that the phenotype may vary somewhat with variations in the
environment, such as temperature, light intensity, and day
length, without, however, any variance in genotype.

The chart used in the identification of colors described
herein is The R.H.S. Colour Chart of The Royal Horticultural

Society, London, England, 2007 edition, except where general color terms of ordinary significance are used. The color values were determined in April 2012 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe plants produced from cuttings from stock plants and grown in a glass-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown in West Chicago, Ill. in 4-inch pots for 7 weeks utilizing a soilless growth medium. Greenhouse temperatures were maintained at approximately 70° F. to 77° F. (21° C. to 25° C.) during the day and approximately 65° F. to 68° F. (18° C. to 20° C.) during the night. Greenhouse light levels of 2,500 footcandles to 6,000 footcandles were maintained during the day. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Dahlia variabilis* cultivar Dapamar.
Parentage:

Female parent.—Proprietary *Dahlia variabilis* breeding selection designated 1253, not patented.

Male parent.—Unknown.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 7 to 10 days.

Time to produce a rooted cutting.—Approximately 28 to 32 days.

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Tuber formation.—Will form under short day conditions of at least 13 to 14 hours of darkness.

Plant description:

Commercial crop time.—Approximately 6 to 8 weeks from a rooted cutting to finish in a 10 cm pot.

Growth habit and general appearance.—Moderately vigorous, compact-upright.

Size.—Height from soil level to top of plant plane: Approximately 16.1 cm. Height from soil level to top of foliage: Approximately 14.0 cm. Width: Approximately 17.7 cm.

Branch.—Quantity of lateral branches per plant: Approximately 8. Strength: Moderately strong. Length of lateral branch: Approximately 7.9 cm. Diameter of lateral branch at central internode: Approximately 4.0 mm. Texture: Glabrous. Color: 144A with an overlay of 187A. Length of central internode of lateral branch: Approximately 1.7 cm.

Foliage description:

General description.—Quantity of leaves per lateral branch: Approximately 6. Type: Simple. Quantity of leaflets per compound leaf: Approximately 3. Fragrance: None. Arrangement: Opposite. Aspect: Petiole is acute angle to stem; blade is perpendicular to stem. Shape of leaf and leaflet: Elliptic. Margin of leaf and leaflet: Widely serrate. Apex of leaf and leaflet: Acute. Base of leaf and leaflet: Attenuate. Venation pattern: Pinnate.

Simple leaf.—Length: Approximately 7.6 cm. Width: Approximately 5.4 cm. Texture of upper and lower surfaces: Sparsely pubescent on venation. Color of upper surface: Closest to N137A and venation of 146B with an overlay of 187B on midvein. Color of lower surface: Closest to 191A and venation of 146B with a faint overlay of 187B on midvein. Length of petiole: Approximately 2.6 cm. Diameter of petiole: Approximately 4.0 mm. Texture of upper and lower

surfaces of petiole: Glabrous. Color of upper surface of petiole: 146B with a faint overlay of 187B. Color of lower surface of petiole: 146B.

Mature trifoliolate leaf.—Length of mature trifoliolate leaf: Approximately 7.9 cm. Width of mature trifoliolate leaf: Approximately 8.2 cm. Length of terminal leaflet: Approximately 6.0 cm. Width of terminal leaflet: Approximately 3.9 cm. Length of lateral leaflet: Approximately 4.6 cm. Width of lateral leaflet: Approximately 2.8 cm. Texture of upper and lower surfaces: Sparsely pubescent on venation. Color of upper surface: Closest to N137A and venation of 146B with an overlay of 187B on midvein. Color of lower surface: Closest to 191A and venation of 146B with a faint overlay of 187B on midvein. Length of petiole of mature trifoliolate leaf: Approximately 3.0 cm. Diameter of petiole of mature trifoliolate leaf: Approximately 4.0 mm. Texture of upper and lower surfaces of petiole of mature trifoliolate leaf: Glabrous. Color of upper and lower surfaces of petiole of mature trifoliolate leaf: 146B with a faint overlay of 187B. Length of rachis: Approximately 8.0 mm. Diameter of rachis: Approximately 3.0 mm. Texture of upper and lower surfaces of rachis: Glabrous. Color of upper and lower surfaces of rachis: 146B with a faint overlay of 187B.

Flowering description:

Flowering habit.—‘Dapamar’ is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year round in the greenhouse environment.

Lastingness of individual inflorescence on the plant.—Approximately 2 weeks.

Inflorescence description:

General description.—Type: Composite, daisy-eyed double, persistent. Aspect: Facing upward and outward. Arrangement: Terminal, arising from leaf axils on strong peduncles positioned over the foliage. Disc and ray florets arranged acropetally on a capitulum. Quantity per plant: Approximately 3. Fragrance: None. Shape: Hemispherical when ray florets are fully open. Inflorescence diameter: Approximately 6.0 cm. Inflorescence depth: Approximately 3.0 cm. Disc diameter: Approximately 1.1 cm. Receptacle diameter at base: Approximately 6.0 mm. Receptacle depth: Approximately 2.0 mm. Receptacle color: 150C.

Peduncle.—Strength: Strong. Aspect: Erect. Length: Approximately 7.0 cm. Diameter: Approximately 3.0 mm. Texture: Glabrous. Color: 144A with an overlay of 187A.

Bud.—Rate of bud opening: Generally takes 2 weeks for bud to progress from first color to fully open flower. Quantity per plant: Approximately 2.

Bud just before opening.—Shape: Oblate. Depth at first color: Approximately 1.4 cm. Diameter at first color: Approximately 1.5 cm. Texture: Glabrous. Color: Outer surface of the phyllaries is 154B with 144B at base, petals of 46B with 2B at tip.

Ray florets.—Quantity per inflorescence: Approximately 72. Arrangement: Imbricate, in multiple whorls. Aspect: Cupped. Shape: Ovate. Margin: Entire. Apex: Acuminate to obtuse. Base: Fused into a short corolla tube. Appearance: Dull. Length: Approximately 2.6 cm. Width: Approximately 1.4

cm. Texture of upper surface: Glabrous. Texture of lower surface: Sparsely pubescent, ribbed. Color of upper surface when first and fully open: 46A with base of 2A. Color of lower surface when first and fully open: 2C with a mixture of 46A and 46B at apex. Color of upper surface before senescence: 53A with base of 2A. Color of lower surface before senescence: 2B with a mixture of 46A and 53A at apex.

Disc florets.—Quantity per inflorescence: Approximately 31. Arrangement: Massed in center of inflorescence. Aspect: Erect. Shape: Tubular. Margin: Entire. Apex: 5 acute tips. Base: Fused. Length: Approximately 1.3 cm. Diameter at apex: Approximately 2.0 mm. Diameter at base: Approximately 1.0 mm. Texture: Glabrous. Color when fully open: 1A, translucent.

Outer phyllaries.—Quantity: Approximately 5 to 6. Aspect: Flat. Shape: Rhombic. Margin: Entire. Apex: Broadly acute. Base: Truncate. Length: Approximately 1.4 cm. Width: Approximately 6.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper surface: 137A. Color of lower surface: 138A.

Inner phyllaries.—Quantity: Approximately 1 per floret. Shape: Linear, imbricate. Margin: Entire. Apex: Broadly acute. Base: Truncate. Length of outermost:

Approximately 1.4 cm. Width of outermost: Approximately 5.0 mm. Length of innermost: Approximately 9.0 mm. Width of innermost: Approximately 3.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper and lower surfaces: 154B, translucent with 143A at base of outermost.

Reproductive organs.—Androecium: On disc florets. Stamen quantity: 5 per floret. Stamen length: Approximately 7.0 mm. Anther shape: Linear. Anther length: Approximately 3.0 mm. Anther color: 1A, translucent. Pollen amount: Abundant. Pollen color: 21A. Gynoecium: On disc and ray florets. Pistil length: Approximately 1.3 cm. Stigma shape: 2 branched. Stigma length: Approximately 3.0 mm. Stigma color: 21A. Style length: Approximately 8.0 mm. Style color: 1A, translucent. Ovary length: Approximately 2.0 mm. Ovary color: 145D.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: Resistance to pathogens and pests common to *Dahlia* has not been observed.

What is claimed is:

1. A new and distinct cultivar of *Dahlia* plant named 'Dapamar', substantially as herein shown and described.

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FIG. 1

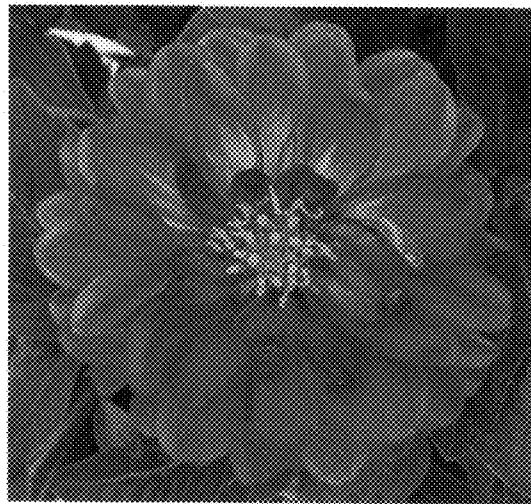


FIG. 2