

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

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(54) **GERBERA PLANT NAMED ‘GARRACHEL’**

(50) Latin Name: *Gerbera hybrida*
Varietal Denomination: **Garrachel**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Gerbera* plant named ‘Garrachel’, characterized by its compact, upright and uniformly mounding plant habit; freely flowering habit; bright to dark red-colored ray florets; upright and strong scapes; and good garden performance.

1 Drawing Sheet

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Botanical designation: *Gerbera hybrida*.
Cultivar denomination: ‘GARRACHEL’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Gerbera* plant, botanically known as *Gerbera hybrida* and hereinafter referred to by the name ‘Garrachel’.

The new *Gerbera* plant is a product of a planned breeding program conducted by the Inventor in De Kwakel, The Netherlands. The objective of the breeding program is to create new compact container *Gerbera* plants with numerous inflorescences, good garden performance, frost tolerance and attractive inflorescence coloration.

The new *Gerbera* plant originated from a cross-pollination in March, 2006 in De Kwakel, The Netherlands of a proprietary selection of *Gerbera hybrida* identified as code number PA 0208, not patented, as the female, or seed, parent with a proprietary selection of *Gerbera hybrida* identified as code, number 00K413-3, not patented, as the male, or pollen, parent. The new *Gerbera* plant was discovered and selected by the Inventor as a single flowering plant within the progeny of the stated cross-pollination in a controlled greenhouse environment in De Kwakel, The Netherlands during the spring of 2007.

Asexual reproduction of the new *Gerbera* plant by tissue culture in a controlled environment in De Kwakel, The Netherlands since the spring of 2007 has shown that the unique features of this new *Gerbera* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Gerbera* have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in cultural practices and environment such as temperature and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘Garrachel’. These characteristics in combination distinguish ‘Garrachel’ as a new and distinct cultivar of *Gerbera* plant:

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1. Compact, upright and uniformly mounding plant habit.
2. Freely flowering habit.
3. Bright to dark red-colored ray florets.
4. Upright and strong scapes.

5. Good garden performance.

Plants of the new *Gerbera* differ from plants of the female parent selection in the following characteristics:

1. Plants of the new *Gerbera* are larger than plants of the female parent selection.
2. Plants of the new *Gerbera* are not as freely flowering as plants of the female parent selection.
3. Plants of the new *Gerbera* have larger inflorescences than plants of the female parent selection.
4. Plants of the new *Gerbera* have longer scapes than plants of the female parent selection.
5. Plants of the new *Gerbera* and the female parent selection differ in ray floret color as plants of the female parent selection have orange-colored ray florets.

Plants of the new *Gerbera* differ from plants of the male parent selection in the following characteristics:

1. Plants of the new *Gerbera* are not as freely flowering as plants of the male parent selection.
2. Plants of the new *Gerbera* have shorter scapes than plants of the male parent selection.
3. Plants of the new *Gerbera* have lighter red-colored ray florets than plants of the male parent selection.

Plants of the new *Gerbera* can be compared to plants of the *Gerbera hybrida* ‘Garcindy’, disclosed in a U.S. Plant patent application Ser. No. 12/802,580. Plants of the new *Gerbera* differ from plants of ‘Garcindy’ in the following characteristics:

1. Plants of the new *Gerbera* have larger inflorescences than plants of ‘Garcindy’.
2. Plants of the new *Gerbera* have longer scapes than plants of ‘Garcindy’.
3. Plants of the new *Gerbera* and ‘Garcindy’ differ in ray floret color.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph illustrates the overall appearance of the new *Gerbera* plant. The photograph shows

the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Gerbera* plant. The photograph comprises a side perspective view of a typical flowering plant of 'Garrachel' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations and measurements describe plants grown during the winter in 19-cm containers in a glass-covered greenhouse in De Kwakel, The Netherlands and under cultural practices and environmental conditions which approximate those generally used in commercial container *Gerbera* production. During the production of the plants, day temperatures ranged from 16° C. to 24° C. and night temperatures ranged from 16° C. to 20° C. Rooted young tissue-cultured plants were four months old when the photograph was taken and eight months old when the description was taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Fifth Edition, 2007, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Gerbera hybrida* 'Garrachel'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Gerbera hybrida* identified as code number PA 0208, not patented.

Male, or pollen, parent.—Proprietary selection of *Gerbera hybrida* identified as code number 00K413-3, not patented.

Propagation:

Type.—By tissue culture.

Time to initiate roots.—About 2.5 to three weeks at temperatures of 20° C.

Time to produce a rooted young plant.—About five to six weeks at temperatures of 20° C. to 26° C.

Root description.—Fibrous; white in color.

Plant description:

Appearance.—Herbaceous perennial that are typically grown as container or garden plants; compact, upright and uniformly mounding plant habit, roughly globular in shape; leaves arranged in basal rosettes and outwardly arching; dense and bushy habit; inflorescences held above the foliar plane on erect and strong basal scapes; moderately vigorous growth habit.

Plant height, soil level to top of foliar plane.—About 18.7 cm.

Plant height, soil level to top of inflorescences.—About 46.9 cm.

Plant width.—About 48.9 cm.

Foliage description:

Arrangement.—Alternate, simple.

Length.—About 21.1 cm.

Width.—About 7.3 cm.

Shape.—Runcinate; narrowly obovate in outline.

Apex.—Obtuse.

Base.—Acuminate.

Margin.—Coarsely and irregularly angulate with obtusely tipped lobes; sinuses divergent; undulate.

Texture, upper surface.—Slightly bullate; moderately pubescent.

Texture, lower surface.—Moderately pubescent.

Venation pattern.—Pinnate.

Color.—Developing leaves, upper surface: Slightly darker than between 141A and 143A. Developing leaves, lower surface: Close to 138B to 138C. Fully expanded leaves, upper surface: Close to N137D; venation, close to 144A. Fully expanded leaves, lower surface: Close to 147B; venation, close to 144B.

Petioles.—Length: About 7.7 cm. Diameter: About 3 mm. Texture, upper surface: Moderately pubescent. Texture, lower surface: Moderately to densely pubescent. Color, upper surface: Close to 144A; proximally tinged with close to 199A to 199B. Color, lower surface: Close to 144B; proximally tinged with close to 185D.

Inflorescence description:

Appearance.—Semi-double type inflorescence form with narrowly oblanceolate-shaped ray florets; solitary inflorescences borne on upright and strong scapes above the foliar plane; ray and disc florets arranged acropetally on a capitulum.

Fragrance.—None detected.

Flowering season.—Plants begin flowering about three months after planting and flower from April to November in outdoor gardens in The Netherlands; plants flower year-round under greenhouse conditions.

Inflorescence longevity.—Inflorescences last about two to four weeks on the plant; inflorescences not persistent.

Quantity of inflorescences.—Freely flowering habit with about 22 open and developing inflorescences per plant at one time.

Inflorescence bud.—Height: About 1.8 cm. Diameter: About 1.8 cm. Shape: Globular. Color: Close to 138C; towards the apex, close to 150B tinged with close to 31B.

Inflorescence size.—Diameter: About 6.9 cm. Depth (height): About 2.8 cm. Diameter of disc: About 2.6 cm. Receptacle height: About 4 mm. Receptacle diameter: About 4 mm. Receptacle color: Close to 157A to 157B.

Ray florets.—Orientation: About 60° from vertical. Length: About 3.6 cm. Width: About 8 mm. Shape: Narrowly oblanceolate. Apex: Obtuse to emarginate. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; velvety; longitudinally ridged. Number per inflorescence: About 60 arranged in about three whorls. Color: When opening, upper surface: Between 45B and 46A. When opening, lower surface: Between 34B to 34C and 35B. Fully opened, upper surface: Between 44A and 46A; color does not fade with development. Fully opened, lower surface: Close to 35C; central band, close to N34C; color does not fade with development.

Disc florets.—Arrangement: Massed at center of receptacle. Shape: Tubular, fused. Apex: Acute. Base: Fused. Margin: Entire. Length: About 6 mm. Width: About 3.5 mm. Texture, upper and lower surfaces: Smooth, glabrous. Number of disc florets per inflorescence: About 200. Color, prior to opening: Apex: Close to 150C flushed with close to 39B. Mid-section: Close to 11B to 11C. Base: Close to 157D. Color, when opening: Apex: Close to 34B to 34C. Mid-section: Close to 11D. Base: Close to 155A and 157D. Color, fully opened: Apex: Close to 39A to 39B. Mid-section: Close to 11D. Base: Close to 155A.

Pappus.—Quantity of hairs per floret: About 50. Length: About 8 mm. Diameter: Less than 1 mm. Texture: Soft. Color: Initially close to 150B with development, close to 157D.

Phyllaries.—Number of phyllaries per inflorescence: 5
About 70 arranged in about three whorls. Length: About 1.2 cm. Width: About 2.5 mm. Shape: Lanceolate. Apex: Narrowly acute. Base: Cuneate. Margin: Entire. Texture, upper surface: Smooth, glabrous. Texture, lower surface: Densely tomentose. Color, 10
upper surface: Close to 138A to 138B. Color, lower surface: Close to 138A; towards the base, close to 137C to 137D.

Scapes.—Length: About 40.2 cm. Diameter: About 4.5 mm; distally, about 3.5 mm; proximally, about 4 mm. Angle: About 10° from vertical. Strength: Strong. Texture: Densely tomentose. Color: Close to 144B; 15
distally, close to 143C; proximally, tinged with close to 176B.

Reproductive organs.—Androecium, present on disc florets only: Quantity per floret: Two. Filament length: About 7 mm. Filament color: Close to 155A.

Anther shape: Lanceolate. Anther length: About 4 mm. Anther color: Close to 13B. Pollen amount: Scarce. Pollen color: Between 10A and 11A. Gynoecium, present on ray and disc florets: Quantity per floret: One. Pistil length: About 1 cm. Stigma shape: Cleft. Stigma color: Close to 200A. Style length: About 9 mm. Style color: Close to N155C to N155D. Ovary color: Close to 155A.

Seed/fruit.—Seed and fruit production has not been observed.

Disease/pest resistance: Resistance to pathogens and pests common to *Gerberas* has not been observed on plants of the new *Gerbera* grown under commercial production conditions.

15 Garden performance: Plants of the new *Gerbera* have been observed to have good garden performance and to tolerate wind, rain and temperatures from about −5° C. to about 35° C.

It is claimed:

20 1. A new and distinct *Gerbera* plant named ‘Garrachel’ as illustrated and described.

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