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

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(54) **DAHLIA PLANT NAMED ‘BALDELSTREM’**

(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

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

(52) **U.S. Cl.** ..... **Plt./321**  
(58) **Field of Classification Search** ..... **Plt./321**  
See application file for complete search history.

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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 184 days.

(57) **ABSTRACT**

A new and distinct *Dahlia* plant named ‘Baldelstrem’,  
characterized by its double pink-colored ray florets, yellow-  
colored disc florets, and vigorous, upright, and mounded  
growth habit.

(21) Appl. No.: **11/015,234**

**2 Drawing Sheets**

(22) Filed: **Dec. 17, 2004**

**1**

**2**

Latin name of genus and species of plant claimed: *Dahlia variabilis*.  
Variety denomination: ‘Baldelstrem’.

Plants of the new cultivar differ from plants of the female  
parent primarily in stem length and from the male parent  
primarily in inflorescence color and growth habit.

**BACKGROUND OF THE INVENTION**

Of the many *Dahlia* cultivars known to the inventor, the  
most similar to the new cultivar is the cultivar Dapavio, U.S.  
Plant Pat. No. 11,492. However, in side by side comparisons,  
plants of the new cultivar differ from plants of ‘Dapavio’ in  
the following characteristics:

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

The new cultivar originated in a controlled breeding  
program in Enkhuizen, The Netherlands during July 1997.  
The objective of the breeding program was the development  
of freely flowering *Dahlia* cultivars with large inflores-  
cences and an upright growth habit.

1. Plants of the new cultivar exhibit lighter ray floret color  
than do plants of ‘Dapavio’.
2. Plants of the new cultivar exhibit larger inflorescences  
than do plants of ‘Dapavio’.

The female (seed) parent of the new cultivar was the  
proprietary breeding selection designated ‘97.1357’, not  
patented, characterized by its very large size and long stems.  
The male (pollen) parent of the new cultivar was the cultivar  
Dapalipi, not patented, characterized by its compact growth  
habit and light pink-colored inflorescences. Seed from the  
above stated cross-pollination was germinated and grown to  
maturity. One plant within the progeny was discovered and  
selected by the inventor during May 1998 at Enkhuizen, The  
Netherlands.

**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 inflorescence and foliage characteristics  
of the new cultivar. Colors in the photographs differ slightly  
from the color values cited in the detailed description, which  
accurately describes the colors of the new cultivar. The  
plants were grown for 11 weeks in a greenhouse at West  
Chicago, Ill.

Asexual reproduction of the new cultivar by terminal stem  
cuttings taken since May 1998 at Enkhuizen, The Nether-  
lands and West Chicago, Ill. has demonstrated that the new  
cultivar reproduces true to type, with all characteristics as  
herein described, firmly fixed and retained through succes-  
sive generations of such asexual propagation.

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

FIG. 2 illustrates a close-up view of a single inflorescence  
‘Baldelstrem’ just opening.

FIG. 3 illustrates a single fully open inflorescence of  
‘Baldelstrem’.

**SUMMARY OF THE INVENTION**

**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, 2001 edition, except where gen-  
eral color terms of ordinary significance are used. The color  
values were determined on Oct. 15, 2004 between 10:00 and  
11:45 a.m. under natural light conditions in West Chicago,  
Ill.

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

The following descriptions and measurements describe  
plants produced from cuttings taken from stock plants and  
grown in a double polycarbonate-covered greenhouse in  
West Chicago, Ill. under conditions comparable to those

1. Double pink-colored ray florets and yellow-colored  
disc florets.
2. Vigorous, upright, and mounded growth habit.

used in commercial practice. The plants were grown in 10 cm pots for 11 weeks while utilizing a soilless growth medium. Greenhouse temperatures were maintained at approximately 65°–75° F. (18°–24° C.) during the day and approximately 60°–65° F. (15°–18° C.) during the night. Greenhouse light levels were maintained at approximately 4,000–6,000 footcandles during the day. Plants were pinched three weeks after planting of rooted cuttings.

Botanical classification: *Dahlia variabilis* cultivar Baldelstrem.

Parentage:

*Female parent.*—Proprietary *Dahlia* breeding selection designated '97.1357', not patented.

*Male parent.*—'Dapalipi', not patented.

Propagation:

*Type cutting.*—Terminal tip.

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

*Time to produce a rooted cutting.*—Approximately 21 to 28 days.

*Rooting habit.*—Freely branching.

*Root description.*—Fine, fibrous.

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

Plant description:

*Crop time.*—Approximately 8–10 weeks.

*Growth habit.*—Basal branching, pinching enhances branching.

*General appearance and form.*—Upright, mounded, and vigorous.

*Size.*—Height from top of soil to top of plant plane: Approximately 25.6 cm. Width/area of spread: Approximately 22.4 cm.

*Branch description.*—Quantity per plant: Approximately 3. Strength: Strong. Length: Approximately 11.6 cm. Diameter: Approximately 6.2 mm. Length of center internode: Approximately 2.1 cm. Texture: Glabrous. Color: 143B with overlay of 183A at nodes.

*Foliage.*—Quantity of leaves per lateral branch: Approximately 13. Type: Compound. Quantity of leaflets per compound leaf: 3 or 5. Fragrance: None. Arrangement: Opposite. Aspect: At an acute angle to the stem. Leaflet: Shape: Ovate. Apex: Acute. Base: Attenuate. Margin: Dentate. Venation pattern: Pinnate. Length of mature trifoliate leaf: Approximately 5.4 cm. Width of mature trifoliate leaf: Approximately 6.6 cm. Length of petiole of mature trifoliate leaf: Approximately 2.1 cm. Diameter of petiole of mature trifoliate leaf: Approximately 1.9 mm. Texture of petiole of mature trifoliate leaf: Sparsely pubescent. Color of petiole of mature trifoliate leaf: 146C. Length of terminal leaflet: Approximately 4.6 cm. Width of terminal leaflet: Approximately 2.7 cm. Length of lateral leaflet: Approximately 3.4 cm. Width of lateral leaflet: Approximately 1.9 cm. Petiole of lateral leaflet: None. Texture of upper and lower surface of all leaflets: Moderately pubescent along veins only. Color of upper surface of mature foliage: Closest to 147A with venation of 144C. Color of lower surface of mature foliage: Closest to 147B with venation of 144C.

Flowering description:

*Outdoor flowering habit.*—'Baldelstrem' is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year round in greenhouse environment.

*Time to first flower.*—Approximately 8 weeks after the planting of a rooted cutting.

Inflorescence description:

*Appearance.*—Type: Composite. Form: Fully double, arising from leaf axils on strong peduncles, positioned just over the foliage. Disc and ray florets arranged acropetally on a capitulum. Persistent.

*Quantity per plant.*—Approximately 3 fully open at any one time.

*Lastingness of bloom.*—Approximately 4 weeks from first open ray floret to senescence.

*Shape/size.*—Hemispherical. Diameter: Approximately 7.6 cm. Depth: Approximately 4.4 cm. Disc diameter: Approximately 1 cm. Receptacle diameter: Approximately 9 mm. Receptacle height/depth: Approximately 3 mm. Receptacle color: 144C.

*Flower bud.*—Rate of opening: Approximately 2 weeks from first color to full bloom. Quantity showing color per plant: Approximately 2. Quantity per plant: Approximately 2 showing color at any one time. Shape: Ovate. Length at first color: Approximately 3 cm. Width at first color: Approximately 1.7 cm. Texture: Glabrous.

*Fragrance.*—None.

*Ray florets.*—Quantity: Approximately 53 per inflorescence arranged in several overlapping whorls. Shape: Elliptic. Apex: Emarginate. Base: Attenuate, fused to form tube. Margin: Entire. Length: Approximately 2.4 cm. Width: Approximately 1.1 cm. Texture: Glabrous. Color of upper surface when first open: 69A with 13B at base. Color of lower surface when first open: 69B. Color of upper surface when fully opened: 73A with venation of 67C and area at base of 67A. Color of lower surface when fully opened: 73D with venation of 67D.

*Disc florets.*—Quantity: Approximately 27. Shape: Elongated, cylindrical. Apex: 5 acute tips. Length: 1.2 cm. Diameter at apex: Approximately 3 mm. Diameter at base: Approximately 1 mm. Texture: Glabrous. Color: Transparent, 9A at apex, 150D at base.

*Peduncle.*—Strength: Strong. Aspect: Erect. Length: Approximately 5.6 cm. Diameter: Approximately 1.5 mm. Texture: Glabrous. Color: 146B.

*Phyllaries.*—Quantity: One per floret. Shape: Lanceolate. Apex: Emarginate. Base: Truncate. Margin: Entire. Length: 8 mm. Width: 5 mm. Texture: Glabrous, papery. Color: Transparent, 150C at apex, 150D at base.

*Secondary phyllaries.*—Quantity: Approximately 8. Shape: Lanceolate. Apex: Acute. Base: Attenuate. Margin: Entire. Length: Approximately 9 mm. Width: Approximately 4 mm. Texture: Glabrous. Color of upper and lower surface: 144A.

*Reproductive organs.*—Androecium — On disc florets. Stamen number: 4. Anther shape: Linear. Anther length: Approximately 3 mm. Anther color: 164A. Pollen amount: Abundant. Pollen color: 17A. Gynoecium—On disc and ray florets. Pistil. Pistil length: Approximately 1.3 cm. Stigma length: 2.5 mm. Stigma color: 20A. Style length: 5.5 mm. Style color: 145D. Ovary length: 3 mm. Ovary color: 145C.

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 'Baldelstrem', substantially as herein shown and described.

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FIG. 1

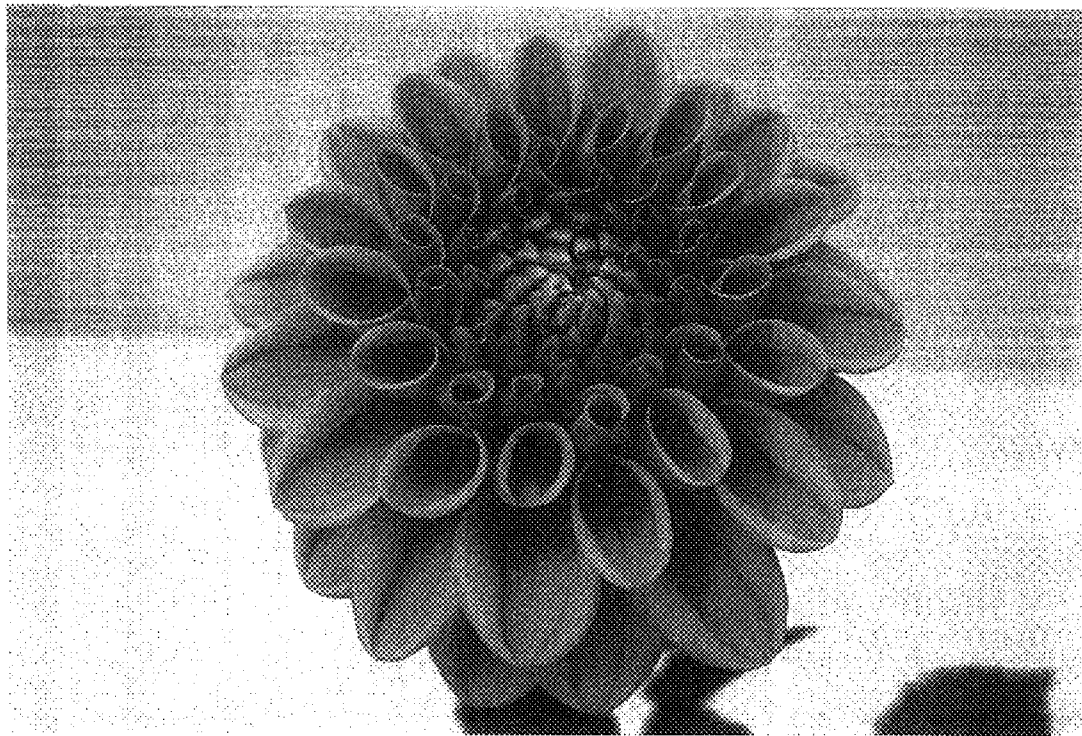


FIG. 2

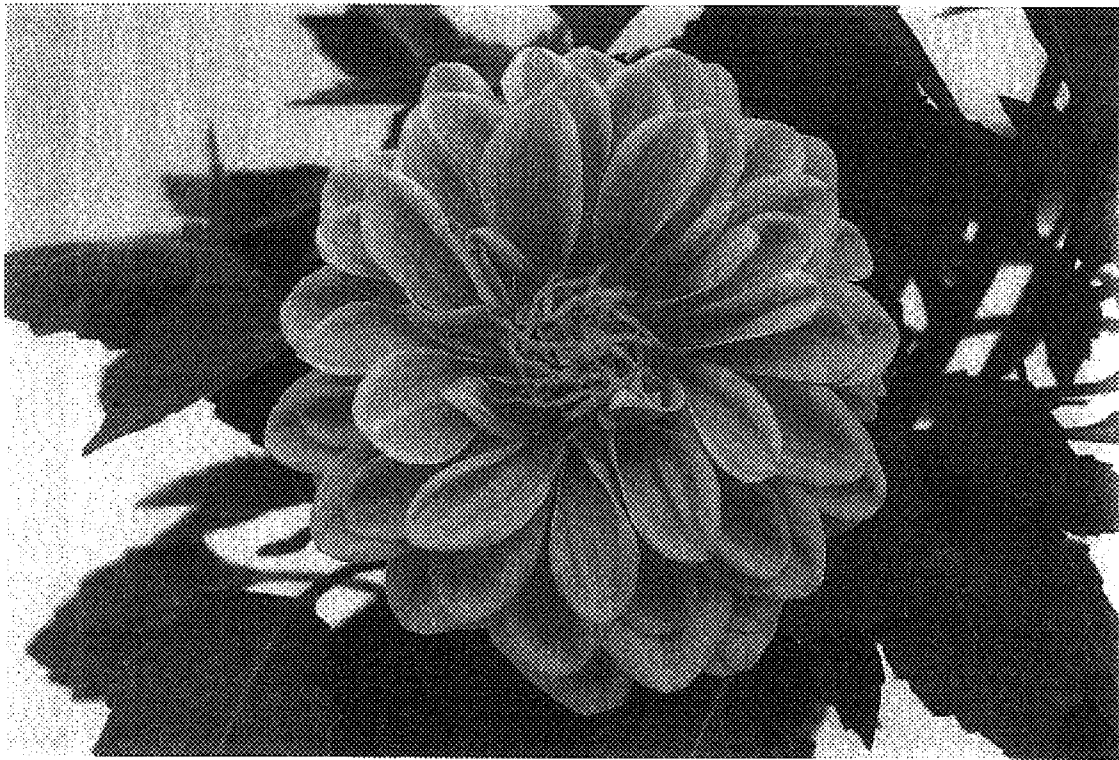


FIG. 3