



US00PP11826P2

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

(10) **Patent No.: US PP11,826 P2**
(45) **Date of Patent: Mar. 27, 2001**

(54) **CHRYSANTHEMUM PLANT NAMED**
‘ALLISON’

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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 0 days.

(21) Appl. No.: **09/224,728**

(22) Filed: **Jan. 4, 1999**

(51) **Int. Cl.⁷** **A01H 5/00**
(52) **U.S. Cl.** **Plt./288**
(58) **Field of Search** **Plt./288, 289**

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(57) **ABSTRACT**

A distinct cultivar of Chrysanthemum plant named
‘Allison’, characterized by its uniformly mounded plant
habit; decorative-type inflorescences that are about 5.1 cm in
diameter; attractive white ray florets; and numerous inflo-
rescences per plant.

1 Drawing Sheet

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BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of Chrysanthemum plant, botanically known as *Dendran-*
thema grandiflora and referred to by the cultivar name
Allison.

The new cultivar is a product of a planned breeding
program conducted by the Inventor in Salinas, Calif. The
objective of the breeding program is to create new garden-
type Chrysanthemum cultivars having inflorescences with
desirable inflorescence forms and floret colors and good
garden performance.

The new cultivar originated from a cross made by the
Inventor in November, 1993, of the *Dendranthema grandiflora*
cultivar Linda (U.S. Plant Pat. No. 8,294) as the
female, or seed, parent with an unidentified proprietary
seedling selection as the male, or pollen, parent.

The cultivar Allison was discovered and selected by the
Inventor as a flowering plant within the progeny of the stated
cross in a controlled environment in Salinas, Calif., in
January, 1995. The selection of this plant was based on its
desirable inflorescence form and ray floret color.

Asexual reproduction of the new cultivar by terminal
cuttings taken in a controlled environment in Salinas, Calif.,
has shown that the unique features of this new Chrysanthem-
um are stable and reproduced true to type in successive
generations.

SUMMARY OF THE INVENTION

The cultivar Allison has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as
temperature, daylength 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 ‘Allison’.
These characteristics in combination distinguish ‘Allison’ as
a new and distinct cultivar:

1. Uniformly mounded plant habit.
2. Decorative-type inflorescences that are about 5.1 cm in
diameter.
3. Attractive white ray florets.

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4. Numerous inflorescences per plant.

The new Chrysanthemum is similar to the Chrysanthem-
um cultivar Frolic (disclosed in U.S. Plant Pat. No. 6,620).
However in side-by-side comparisons under commercial
practice, plants of the new Chrysanthemum differed from
plants of the cultivar Frolic in the following characteristics:

1. Plants of the new Chrysanthemum have a more uniform
growth habit than plants of the cultivar Frolic.
2. Plants of the new Chrysanthemum flower a few days
later, but flower more uniformly than plants of the
cultivar Frolic.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs illustrate the overall
appearance of the new cultivar.

The photograph at the top of the sheet comprises a side
perspective view of a typical flowering plant of ‘Allison’.

The photograph at the bottom of the sheet comprises a
close-up view of typical inflorescences of the cultivar ‘Alli-
son’. These photographs show the colors as true as it is
reasonably possible to obtain in colored reproductions of
this type. Floret and foliage colors in the photographs may
differ from the actual colors due to light reflectance.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The Royal Horticultural Society Colour Chart except where
general terms of ordinary dictionary significance are used.
The following observations and measurements describe
plants grown in Leamington, Ontario, Canada, under con-
ditions which approximate those generally used in commer-
cial garden Chrysanthemum production. One rooted cutting
was planted in a 15-cm container on Jul. 20, 1998 and plants
were grown outdoors under natural season conditions. Mea-
surements and numerical values represent averages for typi-
cal flowering containers.

Botanical classification: *Dendranthema grandiflora* cultivar
Allison.
Commercial classification: Decorative-type garden chrysan-
themum.
Parentage:

Female or seed parent.—*Dendranthema grandiflora* cultivar Linda, disclosed in U.S. Plant Pat. No. 8,294.

Male or pollen parent.—Unidentified proprietary seedling selection.

Propagation:

Type.—Terminal tip cuttings.

Time to rooting.—Seven to ten days with soil temperatures of 21° C.

Rooting habit.—Fine, fibrous and well-branched.

Plant description:

Appearance.—Perennial herbaceous decorative-type garden Chrysanthemum. Inverted triangle. Stems initially upright, then outwardly spreading giving a uniformly mounded appearance to the plant. Freely branching with lateral branches potentially developing at every node, when pinched, about 11 laterals develop.

Plant height.—About 30 cm.

Plant spread.—About 43 cm.

Foliage description.—Leaf arrangement: Alternate. Length: About 5.1 cm. Width: About 3.6 cm. Apex: Mucronate. Base: Attenuate. Margin: Palmately lobed, sinuses divergent. Texture: Upper surface sparsely pubescent; lower surface moderately pubescent. Veins prominent on lower surface. Petiole length: About 2.1 cm. Petiole diameter: About 2 mm. Color: Young foliage upper surface: 147A. Young foliage lower surface: Darker than 147B. Mature foliage upper surface: 147A. Mature foliage lower surface: 147B. Venation upper surface: 147A. Venation lower surface: 147B.

Inflorescence description:

Appearance.—Decorative-type inflorescence form with oblong-shaped ray florets. Inflorescences borne on terminals above foliage, arising from leaf axils. Disk and ray florets arranged acropetally on a capitulum. One inflorescence per terminal with numerous inflorescences per plant, about 10 to 12 per lateral stem.

Flowering response.—Under natural season conditions, plants flower in late September in the Northern Hemisphere, about 70 days after planting, and flower for at least three weeks depending on weather conditions.

Inflorescence bud (before showing color). Height: About 5 mm. Diameter: About 7 mm. Phyllary color: Close to 141A.

Inflorescence size.—Diameter: About 5.1 cm. Depth (height): About 1.7 cm. Diameter of disc: About 2 mm.

Ray florets.—Shape: Oblong, concave. Length: About 2.5 cm. Width: About 6 mm. Apex: Dentate. Margin: Entire. Texture: Smooth, glabrous, satiny. Orientation: Initially upright, then horizontal. Number of ray florets per inflorescence: Typically more than 200. Color: When opening, upper and lower surfaces: Close to 8A to 8C. Opened inflorescence, upper and lower surfaces: 155D.

Disc florets.—Shape: Tubular, apex dentate. Length: About 4 mm. Width: Apex: About 1 mm. Base: About 1 mm. Number of disc florets per inflorescence: Usually fewer than 5. Color: Immature: 154A. Mature: Apex: 9A. Mid-section and base: Whitish green.

Peduncle.—Aspect: Flexible, angled about 30° to the stem. Length: First peduncle: About 6.5 cm. Fourth peduncle: About 7.8 cm. Diameter: About 2.5 mm. Texture: Pubescent. Color: Close to 141A.

Reproductive organs.—Androecium: Present on disc florets only. Anther color: 9A. Pollen: Scarce. Gynoecium: Present on both ray and disc florets.

Disease resistance: Resistance to known Chrysanthemum diseases has not been observed on plants grown under commercial production conditions.

Seed production: Seed production has not been observed.

It is claimed:

1. A new and distinct cultivar of Chrysanthemum plant named 'Allison', as illustrated and described.

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