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

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(54) **CHRYSANTHEMUM PLANT NAMED ‘MOZA SI 01’**

(50) Latin Name: *Chrysanthemum morifolium*  
Varietal Denomination: **Moza SI 01**

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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 125 days.

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(51) **Int. Cl.**<sup>7</sup> ..... **A01H 5/00**

(52) **U.S. Cl.** ..... **Plt./286**

(58) **Field of Search** ..... Plt./298, 297, 286

(56) **References Cited**

**PUBLICATIONS**

“Chrysanthemum Leaf Classification”, <http://www.ee.surrey.ac.uk/Research/VSSP/demos/leaf/index.html>, Jan. 2001.\*

\* cited by examiner

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(57) **ABSTRACT**

A new and distinct Chrysanthemum plant variety characterized by a pink/white color ray florets, consistent flowering response to short days, blooming consistently after 49 days of short day length, small foliage, long lasting blooms, and consistent natural season flowering habit during late September.

**2 Drawing Sheets**

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Latin name of the genus and species of the plant claimed:  
*Chrysanthemum morifolium*.  
Variety denomination: ‘Moza SI 01’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar of Chrysanthemum plant, and herein after referred to by the cultivar name ‘Moza SI 01.’

This new cultivar originated from hybridization of a female parent Chrysanthemum cultivar MZ 215-01 (unpatented in the United States, and undistributed commercially) and a male parent Chrysanthemum cultivar MZ 257-01 (unpatented in the United States, and undistributed commercially). The new cultivar was discovered by the inventor in November 1998.

Asexual reproduction of the new cultivar by apical tip cutting and meristem tissue culture was performed in Oxnard, Calif. and has shown that the unique features of this new cultivar are stable and reproduced true to type on successive generations.

**SUMMARY OF THE INVENTION**

The cultivar ‘Moza SI 01’ 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 ‘Moza SI 01.’ These characteristics in combination distinguish ‘Moza SI 01’ as a new and distinct Chrysanthemum:

1. Pink/white color ray florets;
2. Consistent flowering response to short days, blooming consistently after 49 days of short day length;

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3. Small foliage;
4. Long lasting blooms; and
5. Consistent natural season flowering habit during late September.

Plants of the new cultivar are similar to plants of the female parent cultivar in most horticultural characteristics, however plants of the new cultivar differed from plants of the female parent cultivar in the following characteristics:

1. The new cultivar has different color ray florets;
2. The new cultivar has a smaller diameter bloom;
3. The new cultivar is shorter; and
4. The new cultivar has a shorter internode length.

Plants of the new cultivar are similar to plants of the male parent cultivar in most horticultural characteristics, however plants of the new cultivar differed from plants of the male parent cultivar in the following characteristics:

1. The new cultivar is taller;
2. The new cultivar has a larger bloom diameter; and
3. The new cultivar naturally blooms 2 weeks later.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

FIG. 1 shows a close up view of the flowers and buds of the new cultivar.

FIG. 2 shows the foliage of the new cultivar.

**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 a commercial field on Oxnard, Calif. in the month of September 2000. The plant described is approximately 80 days old, and was grown from a rooted cutting



given one pinch after 10 days from planting. There was no spray or disbud treatment given. The growing conditions range from 60° to 65° F. at night to 70° to 85° during the day. Measurements and numerical values represent averages of typical flowering types.

Botanical classification: *Chrysanthemum morifolium* cultivar 'Moza SI 01'.

Commercial classification: Garden-type Chrysanthemum.

Parentage: Hybridization of a female parent Chrysanthemum cultivar (unpatented in the United States) and a male parent Chrysanthemum cultivar (unpatented in the United States).

Commercial comparison: Comparison variety "Roadrunner" U.S. Plant Pat. No. 11,298, the most similar multi-color ray floret variety. The new variety differs from Roadrunner in having a later natural season bloom time, many more inflorescences per flowering stem, smaller diameter inflorescence, pink/white ray florets as opposed to red/yellow ray florets, and more disc florets than Roadrunner.

### PROPAGATION

Time to rooting: 7 to 14 days at approximately 21° C.

Rooting habit: Fine, fibrous.

### PLANT

Growth habit: Mounding herbaceous perennial.

Height: Approximately 24 cm.

Branching characteristics: Moderate Branching.

Internode length: Approximately 2.2 cm.

Length of lateral branches: Approximately 19 cm.

Number of leaves per lateral branch: Approximately 17.

Stem color: Near 137B.

### FOLIAGE

Leaf:

*Arrangement*.—Alternate single.

*Average length*.—Approximately 5.3 cm.

*Average width*.—Approximately 3.2 cm.

*Shape of blade*.—Ovate.

*Apex*.—Acuminate.

*Base*.—Attenuate.

*Attachment*.—Stalked.

*Margin*.—Serrate.

*Texture of top surface*.—Lightly pubescent.

*Texture of bottom surface*.—Lightly pubescent.

*Color*.—Young foliage upper side: Near 137A. Young foliage under side: Near 137C. Mature foliage upper side: Near 137A. Mature foliage under side: Near 137B. Venation upper side: Near 138B. Venation under side: Near 137C.

Petiole:

*Average length*.—Approximately 1.8 cm.

*Petiole color*.—Approximately 137B.

### BLOOM

Inflorescence:

*Flowering habit*.—Induced by darkness period greater than 13.5 hours, blooming consistently after 49 days of appropriate day length required to induce and develop blooms.

*Inflorescence form*.—Daisy.

*Natural flowering season*.—Approximately the last two weeks in September.

*Number of inflorescences per stem*.—Approximately 15.

*Inflorescence diameter*.—Approximately 3.7 cm.

*Inflorescence depth*.—Approximately 2.0 cm.

*Inflorescence longevity on plant*.—Approximately 24–29 days.

*Persistence*.—Persistent.

*Fragrance*.—Not present.

Ray florets:

*Appearance*.—Matte.

*Texture*.—Smooth.

*Average number per flower*.—Approximately 240.

*Shape*.—Oblanceolate.

*Margin*.—Entire.

*Apex*.—Obtuse.

*Length*.—Approximately 1.8 cm.

*Width*.—Approximately 0.6 cm.

*Color*.—Upper surface at first opening: Near 59C.

Upper surface at maturity: Near 59D at the tip; Near

36D at the base. Upper surface at fading: Near 73C

at the tip; Near 155D at the base. Under surface at

first opening: Near 54A. Under surface at maturity:

Near 63C at the tip; Near 62D at the base. Under

surface at fading: Near 70D at the tip; Near 155D at

the base.

Disc florets:

*Appearance*.—Shiny.

*Texture*.—Smooth.

*Average number per flower*.—Approximately 130.

*Shape*.—Cylindric.

*Apex*.—Obtuse.

*Average length*.—Approximately 0.8 cm.

*Average width*.—Approximately 0.1 cm.

*Color*.—At first opening: Near 14B. At maturity: Near 15A. At fading: Near 17A.

Peduncle:

*Length*.—At terminal end (shortest): Approximately 4 cm. At lateral end (longest): Approximately 6 cm.

*Strength*.—Moderate.

*Color*.—Near 137B.

*Habit*.—Erect.

Inflorescence bud:

*Length*.—Approximately 0.6 cm.

*Diameter*.—Approximately 0.6 cm.

*Form*.—Globular.

*Color*.—Near 54A.

Sepals:

*Appearance*.—Matte.

*Texture*.—Lightly pubescent.

*Number*.—Approximately 30 to 40.

*Shape*.—Ovate.

*Margin*.—Entire.

*Apex*.—Acute.

*Color*.—Upper side: Near 137A. Under side: Near 137A.

### REPRODUCTIVE ORGANS

Ray florets:

*Number of pistils per floret*.—1.

*Stigma shape*.—2 branched.

*Stigma color*.—Near 10A.

*Style color*.—Near 8D.

*Style length*.—Approximately 0.5 cm.

*Number of stamens per floret*.—Absent.

Disc florets:

*Number of pistils per floret*.—1.

*Stigma shape*.—Cylindric.

*Style length*.—Approximately 0.3 cm.

*Stigma color*.—Near 3A.

*Style color*.—Near 154C.

*Number of stamens per floret*.—Approximately 5.

*Anther shape*.—Tubular.  
*Anther color*.—Near 13A.  
*Pollen color*.—Near 15A.

OTHER CHARACTERISTICS

Seed production: Commercially, this plant is not used or observed in a stage wherein seeds would be produced. Therefore, seed production has not been observed.

Disease resistance: Neither resistance nor susceptibility to diseases and pests have been observed in this cultivar.  
What is claimed is:

1. A new and distinct variety of Chrysanthemum plant named ‘Moza SI 01’ as herein illustrated and described.

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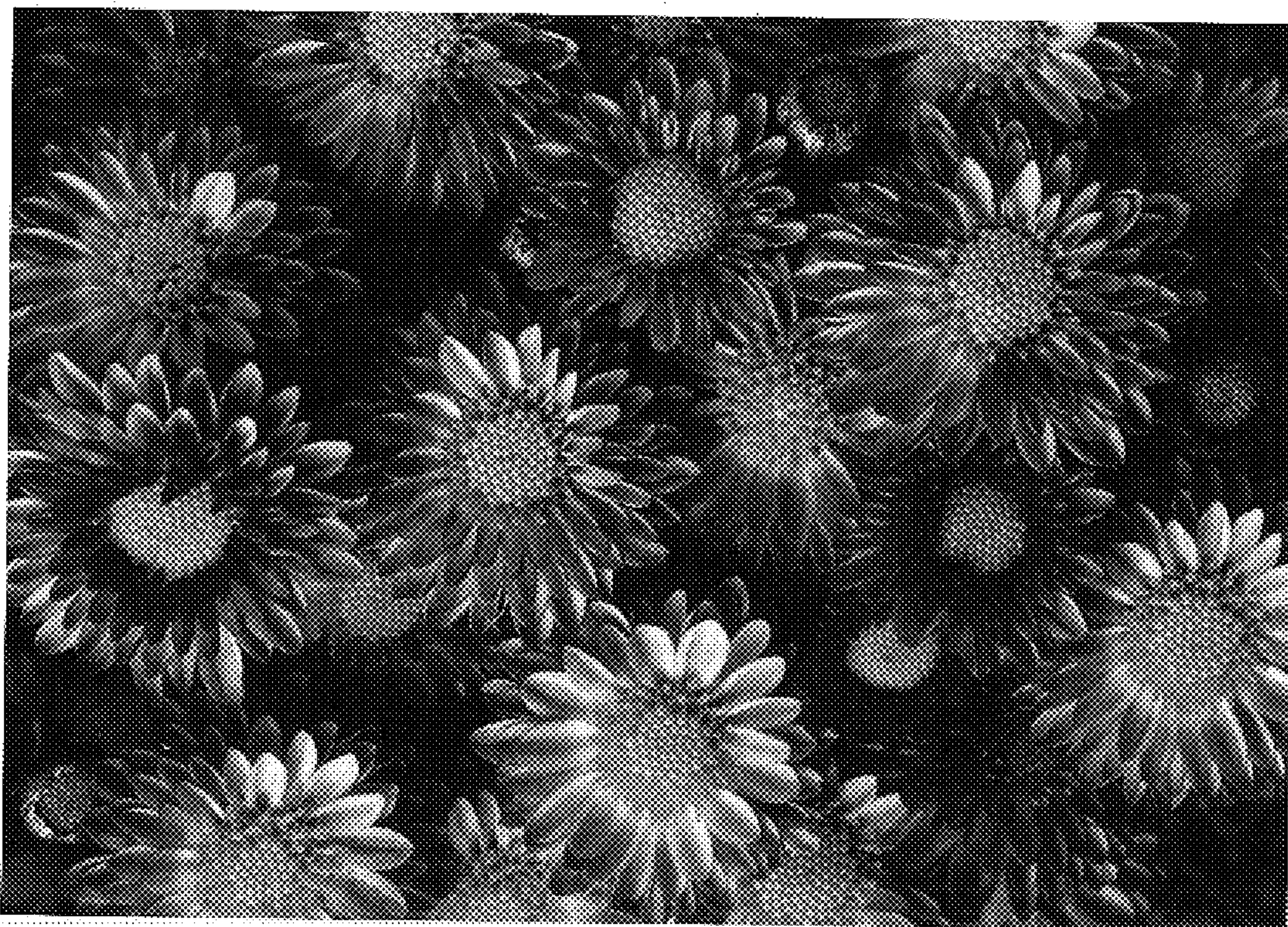


FIG. 1





FIG. 2