

US00PP16854P2

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

(10) **Patent No.:** **US PP16,854 P2**  
(45) **Date of Patent:** **Jul. 18, 2006**

(54) **CHRYSANTHEMUM PLANT NAMED**  
**'CESHAKIRA WHITE'**

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

(50) Latin Name: *Chrysanthemum morifolium*  
Varietal Denomination: **Ceshakira White**

(52) **U.S. Cl.** ..... **Plt./288**

(58) **Field of Classification Search** ..... **Plt./288**  
See application file for complete search history.

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(57) **ABSTRACT**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

A *Chrysanthemum* plant named 'Ceshakira White' characterized by its large sized spider type inflorescences with white ray-florets and a green disc, with a response time of 50 days, and which can be grown as a spraymum as well as a disbud mum.

(21) Appl. No.: **11/128,370**

(22) Filed: **May 13, 2005**

**3 Drawing Sheets**

**1**

**2**

**BACKGROUND OF THE INVENTION**

**DESCRIPTION OF THE INVENTION**

'Ceshakira White' is a product of a breeding-program which had the objective of creating new *chrysanthemum* cultivars with a spider type flower, a 7 week response and a medium plant height (90 cm). The new plant of the present invention comprises a new and distinct cultivar of *Chrysanthemum* plant. 'Ceshakira White' is a seedling from a cross in a breeding program maintained under the control of inventor. The female parent is # 16104—unpatented—, an unnamed seedling not available to inventor for description. The male parent is unknown, being a mixed population of a group of male parents. The new and distinct cultivar was discovered and selected as a flowering plant within the progeny of the stated cross by Mark Roland Boeder in a controlled environment (greenhouse) in Rijsenhout, The Netherlands in 2002. The first act of asexual reproduction of 'Ceshakira White' was accomplished when vegetative cuttings were taken from the initial selection in 2002 and propagated further in a controlled environment in Rijsenhout, The Netherlands.

This new variety of *chrysanthemum* is of the botanical classification *Chrysanthemum morifolium*. The observations and measurements were gathered from plants grown in April/May in a greenhouse in Rijsenhout, The Netherlands in a photo-periodic controlled crop under conditions generally used in commercial practice. The greenhouse temperatures during this crop were at day-time between 18° C. and 25° C. and at night 20° C. After a long day period of 14 days the photo-periodic response time in this crop was 50 days. After the long day period to flowering growth retardants were applied 2 to 3 times in an average dose of 2.5 gram/liter water. The plants were observed (directly) during the flowering of this crop. This variety is sensitive to infestation by white rust, thrips and leaf miner. This new variety produces large sized spider inflorescences with white ray-florets and a green disc, flowering on the plant for 1 week. This new variety of *chrysanthemum* has been found to retain its distinctive characteristics throughout successive propagations, however the phenotype may vary significantly with variations in environment such as light intensity and temperature. To show the phenotype as described 'Ceshakira White' can be under greenhouse conditions in The Netherlands. With assimilation light (minimum level 2500 lux) it can be planted year round under greenhouse conditions.

**SUMMARY OF THE INVENTION**

The present invention is a new and distinct variety of *chrysanthemum* bearing large sized double-type spider inflorescences with white ray-florets and a green disc; this spraymum variety can also be grown as a disbud.

From the cultivars known to inventor the most similar existing cultivars in comparison to 'Ceshakira White' is 'Delianne' non patented and 'Anastasia' (U.S. Plant Pat. No. 13,550). When 'Delianne', 'Anastasia' and 'Ceshakira White' are being compared the following differences and similarities are noticed: 'Delianne', 'Anastasia' and 'Ceshakira White' all have spider type white inflorescences. The differences of 'Delianne', 'Anastasia' and 'Ceshakira White' are (1) number of inflorescences per stem. 'Ceshakira White' produces a higher number of blooms per stem than 'Delianne' or 'Anastasia'. (2) visibility of disc florets. In mature flowers, the presence of disc florets is more conspicuous in 'Ceshakira White' than in 'Delianne' and 'Anastasia'. (3) Width of ray-florets. The width of ray florets of 'Anastasia' is smaller than that of 'Delianne' and 'Ceshakira White'.

**BRIEF DESCRIPTION OF THE DRAWINGS**

The present invention of a new and distinct variety of *chrysanthemum* is shown in the accompanying drawings, the color being as nearly true as possible with color photographs of this type.

FIG. 1 shows a plant of the cultivar in full bloom.

FIG. 2 shows the various stages of blooms of the new cultivar.

FIG. 3 shows the foliage of the new cultivar.

The following is a description of the plant and characteristics that distinguish 'Ceshakira White' as a new and distinct variety. The color designations are taken from the plant itself. Accordingly, any discrepancies between the color designations and the colors depicted in the photographs are due to photographic tolerances. The color chart used in this description is: The Royal Horticultural Society Colour Chart, edition 1995.

TABLE 1

Botanical Description of variety 'Ceshakira White'	
<u>Bud</u>	
Size	Medium, cross-section 1.2 cm height 0.8 cm
Outside color	Yellow-green 145 D with center of Green 143 A
Phyllaries	2 rows, length 7 mm, width 3 mm
Phyllaries among disc-florets	Not present
Phyllaries color	Green 138 B
<u>Inflorescence</u>	
Type	Double
Height	2 cm
Size	Large
Fully expanded	7 cm (spraymum); 11 cm (disbud)
Number of inflorescences per stem	Average of 15
Performance on the plant	1 week
Seeds (if crossed)	Produced in small quantities, oval shaped, grey-brown 199 A, 2 mm in length.
Fragrance	Typical <i>chrysanthemum</i> , slight
Peduncle length	Near the top 6 cm, near the middle 10 cm, near the bottom 20 cm
Peduncle color	Green 143 A
<u>Color</u>	
Center of the flower (disc-florets)	Immature Green 143 A
Color of the ray-florets	Mature Green 143 A to Yellow-green 151 A and White 155 D (outer row)
	Lower surface Yellow-green 150 C (inner row) and White 155 D (outer row)
Tonality from Distance	A spray mum with white flowers and a green disc
Color of the upper surface of the ray-florets after aging of the plant	White 155 D
<u>Ray florets</u>	
Texture	Upper and under side smooth
Number	220-230
Cross section	Fused into tube
Longitudinal axis of majority	Incurving (inner row); straight (outer row)
Length of corolla tube	1.5 cm (inner row) to 4.2 cm (outer row)
Ray-floret margin	Entire
Ray-floret length	1.5 cm (inner row) to 4.3 cm (outer row)
Ray-floret width	0.3-0.8 cm
Ratio length/width	5
Shape of tip	Quilled and occasionally spatulate
<u>Disc florets</u>	
Disc diameter	1 cm
Distribution of disc florets	Few, only visible at mature stage of flowering
Shape	Tubular
Color	Yellow 11 D
Receptacle shape	Conical raised
<u>Reproductive Organs</u>	
Stamen	Present in disc florets only
Stamen color	Yellow-green 144 A
Pollen	Produced in small quantity

TABLE 1-continued

Botanical Description of variety 'Ceshakira White'	
Pollen color	Yellow 7 A
Styles	Present in both ray and disc florets
Style color	Yellow 13 A
Style Length	4 mm
Stigma color	Yellow-green 145 D
Stigma Width	1 mm
Ovaries	Enclosed in perianth
<u>Plant</u>	
Form	A spray mum meant for erect culture; also grown as disbud
Growth habit	Upright
Growth rate	Vigorous
Height	90 cm
Width	27 cm
Internode length	2-3 cm
Spray formation	Corymbiform
Stem Color	Green 138 A-139 A
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin coloration	Absent
Flowering Response (photo-periodic controlled crop, not natural season)	48-50 days in summer to 58 days in winter
<u>Foliage</u>	
Color immature stage	Upper side Green 143 A Under side Green 138 A
Color mature stage	Upper side Yellow-green 147 A Under side Green 138 A
Color midvein mature leaf	Upper side Yellow-green 147 D Under side Yellow-green 148 D
Size	Large; length 13 cm, width 7 cm
Quantity (number per single stem)	32
Shape	Elliptic
Texture upper side	Fleshy and glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrate
Shape of Base of Sinus	Rounded
Between Lateral Lobes	
Margin of Sinus Between Lateral Lobes	Diverging
Shape of Base	Obtuse to asymmetric
Apex	Mucronulate
Petiole Length	2-3 cm
Petiole Color	Yellow-green 147 D

TABLE 2

	<u>Differences with comparison varieties</u>		
	'Ceshakira White'	'Delianne'	'Anastasia'
Number of inflorescences	15	12	12
Visibility disc florets in mature flowers	visible	inconspicuous	inconspicuous
Width ray florets	More broad	More broad	Small

I claim:

1. A new and distinct variety of *chrysanthemum* plant as described and illustrated.

\* \* \* \* \*





FIG. 1



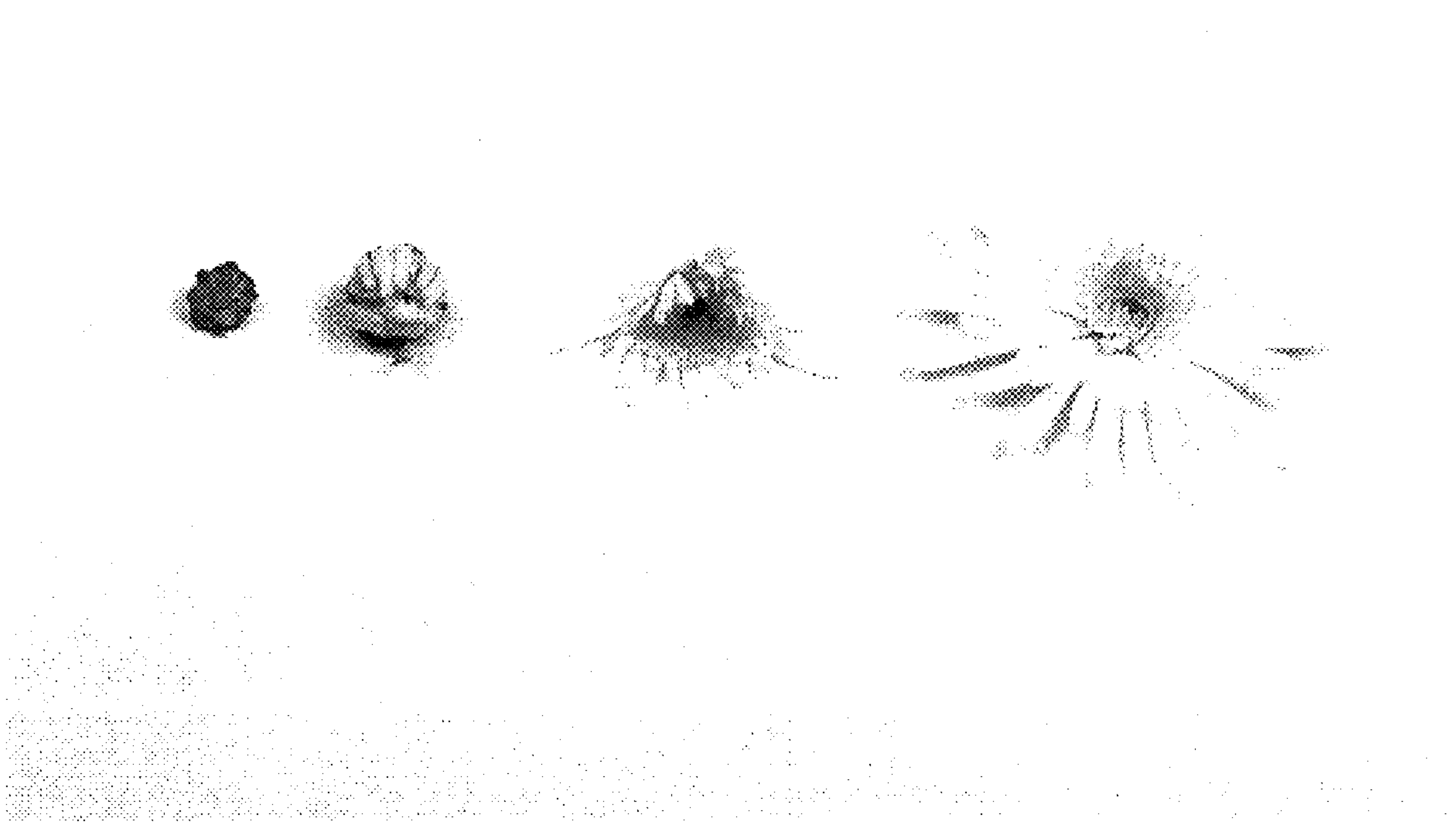


FIG. 2



FIG. 3