

US00PP16853P2

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

(10) **Patent No.:** **US PP16,853 P2**
(45) **Date of Patent:** **Jul. 18, 2006**

(54) **CHRYSANTHEMUM PLANT NAMED**
'NATASHA SUNNY'

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

(50) Latin Name: *Chrysanthemum morifolium*
Varietal Denomination: **Natasha Sunny**

(52) **U.S. Cl.** **Plt./289**

(58) **Field of Classification Search** **Plt./289**
See application file for complete search history.

(75) Inventor: **Mark Roland Boeder**, The Hague
(NL)

Primary Examiner—Kent Bell

Assistant Examiner—Annette H Para

(73) Assignee: **Chrysanthemum Breeders Association**
N.V., Aalsmeer (NL)

(74) *Attorney, Agent, or Firm*—Steptoe & Johnson LLP

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

(57) **ABSTRACT**

A *Chrysanthemum* plant named 'Natasha Sunny' character-
ized by its large sized spider blooms with yellow ray-florets,
with a response time of 52 days.

(21) Appl. No.: **11/128,371**

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

3 Drawing Sheets

1

BACKGROUND OF THE INVENTION

'Natasha Sunny' is a product of a breeding-program which had the objective of creating new *Chrysanthemum* cultivars with a decorative type flower, a 7.5 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. 'Natasha Sunny' is a seedling from a cross in a breeding program maintained under the control of inventor. The female parent is #95426—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 2001. The first act of asexual reproduction of 'Natasha Sunny' was accomplished when vegetative cuttings were taken from the initial selection in 2001 and propagated further in a controlled environment in Rijsenhout, The Netherlands.

SUMMARY OF THE INVENTION

The present invention is a new and distinct variety of *Chrysanthemum* bearing large sized spider type blooms with yellow ray-florets, which is grown as a disbud mum.

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 bloom of the new cultivar.

FIG. 3 shows the foliage of the new cultivar.

2

DESCRIPTION OF THE INVENTION

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 52 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. No tests were done on disease or insect resistance or susceptibility. No tests were done on cold or drought tolerance. This new variety produces large sized double-type blooms with yellow ray-florets blooming 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 "Natasha Sunny" can be planted without assimilation lightning (high pressure sodium lamps) between week 6 and week 36 under greenhouse conditions in The Netherlands. With assimilation light (minimum level 2500 lux) it can be planted year round under greenhouse conditions in The Netherlands.

From the cultivars known to inventor the most similar existing cultivar in comparison to 'Natasha Sunny' is 'Anastasia Yellow' (U.S. Plant Pat. No. 14,293). When 'Anastasia Yellow' and 'Natasha Sunny' are being compared the following differences and similarities are noticed: Both 'Anastasia Yellow' and 'Natasha Sunny' have spider type yellow blooms. The differences of 'Anastasia Yellow' and 'Natasha Sunny' are (1) Colour ray-florets. The flowers of 'Natasha Sunny' are more intensely yellow than those of 'Anastasia Yellow'. (2) Response time. The response time for flowering is longer in 'Natasha Sunny' than in 'Anastasia Yellow'.

The following is a description of the plant and characteristics that distinguish 'Natasha Sunny' 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 ‘Natasha Sunny’	
<u>Bud</u>	
Size	Medium, cross-section 1.5 cm height 1 cm
Outside color	Yellow 13 D
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; spider
Height	4 cm
Size	Large
Fully expanded	12 cm
Number of blooms per stem	1 (disbud)
Performance on the plant	1 week
Seeds (if crossed)	Seed production not observed
Fragrance	Typical <i>chrysanthemum</i> , slight
Peduncle length	3–4 cm
Peduncle color	Green 139 B
<u>Color</u>	
Center of the flower	Immature Yellow-orange 15 A Mature Yellow-orange 14 A
Color of the ray-florets	Upper surface Yellow 13 A Lower surface Yellow 13 C
Tonality from Distance	A disbud mum with yellow spider type flowers
Color of the upper surface of the ray-florets after aging of the plant	Yellow 13 C
<u>Ray florets</u>	
Texture	Upper and under side smooth
Number	210–230
Cross section	Fused into tubes
Longitudinal axis of majority	Straight
Length of corolla tube	3–6 cm
Ray-floret margin	Entire
Ray-floret length	3–7 cm
Ray-floret width	0.3–0.8 cm
Ratio length/width	High
Shape of tip	Quilled
<u>Disc florets</u>	
Disc diameter	0.5–0.7 cm
Distribution of disc florets	Few, only visible in mature stage
Shape	Tubular
Color	Yellow-orange 14 A
Receptacle shape	Domed flat
<u>Reproductive Organs</u>	
Stamen	Present in disc florets only
Stamen color	Yellow-green 144 A
Pollen	Production not observed
Styles	Present in both ray and disc florets

TABLE 1-continued

Botanical Description of variety ‘Natasha Sunny’	
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 disbud mum meant for erect culture
Growth habit	Upright
Growth rate	Low
Height	90 cm
Width	26–28 cm
Internode length	2–4 cm
Stem Color	Green 139 B
Stem Strength	Strong
Stem Brittleness	Brittle
Stem Anthocyanin coloration	Absent
Flowering Response (photo-periodic controlled crop, not natural season)	52 days
<u>Foliage</u>	
Color immature stage	Upper side Green 143 A–B Under side Green 147 A–B
Color mature stage	Upper side Yellow-green 147 A–B Under side Green 139 A–B
Color midvein mature leaf	Upper side Yellow-green 147 D Under side Yellow-green 148 D
Size	Large; length 12–14 cm, width 6–8 cm
Quantity (number per single stem)	40
Shape	Elliptic-obovate
Texture upper side	Fleshy and glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrate
Shape of Base of Sinus Between Lateral Lobes	Round
Margin of Sinus Between Lateral Lobes	Converging
Shape of Base	Asymmetric-truncate
Apex	Mucronulate
Petiole Length	2–3 cm
Petiole Color	Yellow-green 147 D

TABLE 2

<u>Differences with comparison variety</u>		
	‘Natasha Sunny’	‘Anastasia Yellow’
Colour ray florets	Yellow 13 A	Yellow 12 C
Response time	52 days	49 days

I claim:

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

* * * * *



FIG. 1



FIG. 2

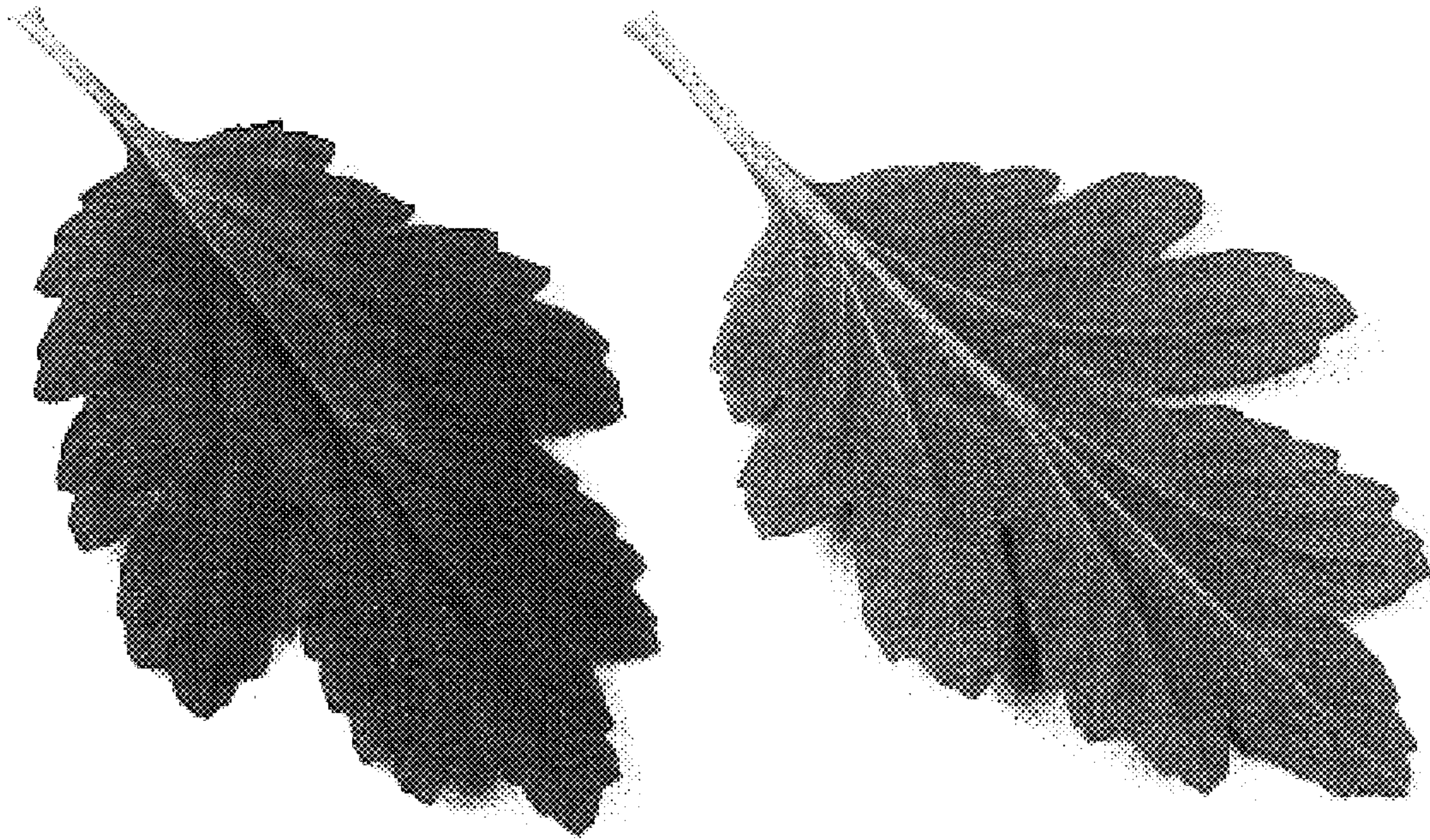


FIG. 3