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

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(54) ***CHRYSANTHEMUM* PLANT NAMED 'ZANMUSUNBUR'**

(50) Latin Name: ***Chrysanthemum×morifolium***
Varietal Denomination: **Zanmusunbur**

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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.

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(58) **Field of Classification Search** Plt./295
See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named 'Zanmusunbur' characterized by its small sized semi-double blooms with yellow ray florets and prolific branching; natural season flower date September 10; blooming for a period of 5 weeks.

3 Drawing Sheets

Botanical designation: *Chrysanthemum×morifolium* Ramat.

Cultivar denomination: 'Zanmusunbur'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *chrysanthemum* plant, botanically known as *Chrysanthemum×morifolium* Ramat., commercially grown as a garden mum, and herein after referred to by the cultivar denomination 'Zanmusunbur'. 'Zanmusunbur' is a product of a breeding and selection program for outdoor pot mums (garden mums) which had the objective of creating new *chrysanthemum* cultivars with a semi-double type flower, a natural season flower date around September 10 (week 37); blooming for a period of 5 weeks. 'Zanmusunbur' is a seedling resulting from a crossing program, set up by a previous breeder, and which records are unknown to the inventor. The new and distinct cultivar was discovered and selected as a flowering plant by Wilhelmus Bernardus Blom on a cultivated field in Rijsenhout, The Netherlands in 2003. The first act of asexual production of 'Zanmusunbur' was accomplished when vegetative cuttings from the initial selection in 2003 were propagated further in a controlled environment in Rijsenhout, The Netherlands. The new cultivar has been found to retain its distinctive characteristics through successive propagations.

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 various stages of foliage of the new cultivar.

DESCRIPTION OF THE INVENTION

The observations and measurements were gathered from plants grown out door in Rijsenhout, The Netherlands under natural day length and temperature and planted in week 25 in 2007. The natural blooming date of this crop was September 10 (week 37) . The average height of the plants was 25 cm. No growth retardants were used. No tests were done on disease or insect resistance or susceptibility. No tests were done on cold or drought tolerance. This new variety produces small sized blooms with yellow ray florets blooming for a period of 5 weeks. From the cultivars known to inventor the most similar existing cultivar in comparison to 'Zanmusunbur' is 'Florina' (U.S. Plant Pat. No. 16,672). When 'Florina' and 'Zanmusunbur' are being compared the following difference is noticed: The differences of 'Florina' and 'Zanmusunbur' are (1) Number of ray-florets and (2) Length ray-florets (1) The number of ray-florets is higher in 'Zanmusunbur' than in 'Florina'. (2) The ray-florets of 'Zanmusunbur' are longer than those of 'Florina'.

The following is a description of the plant and characteristics that distinguish 'Zanmusunbur' 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 2001.

TABLE 1

Botanical description of *chrysanthemum* plant named 'Zanmusunbur'

Bud	
Size	Small; cross-section 0.3 cm, height 0.5 cm

TABLE 1-continued

Botanical description of *chrysanthemum* plant named 'Zanmusunbur'	
Outside Color	Green 143C
Phyllaries	2 rows
Phyllaries among disc-florets	Not present
Bloom	
Type	Semi-double
Height	1 cm
Size	3 cm
Phyllary number	25-28
Phyllary color (upper surface)	Green 138A
Phyllary length and width	length 7 mm, width 3 mm
Peduncle length	7-8 cm
Peduncle color	Green 138B
Number of blooms per branch	Approx. 5 blooms per branch
Duration of flowering	5 weeks
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance	Typical *chrysanthemum,* slightly
Color	
Center of the flower (disc florets)	Immature stage: Yellow-green 144C Mature stage: Yellow-orange 16B
Color of upper surface of the ray-florets	Yellow 7A
Color of the lower surface of the ray-florets	Yellow 8A
Tonality from Distance	A garden mum with yellow flowers
Color of the ray-florets after aging of the plant	Yellow 7B
Ray florets	
Texture	Upper and under side smooth
Number	68-72
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.4 cm
Ray-floret margin	Entire
Ray-floret length	2-2.2 cm
Ray-floret width	0.5-0.6 cm
Ratio length/width	Medium
Shape of tip	Dentate
Disc florets	
Disc diameter	1 cm
Distribution of disc florets	Numerous, clearly visible in all stages
Number	50-60
Size	Ca. 5 mm (length) and 1 mm (diameter)
Shape	Tubular
Color	Yellow-green 144C (upper part); Yellow 11D at base
Receptacle shape	Conical raised
Reproductive Organs	
Stamen	Present in disc florets only
Number of stamen per disc floret	Ca. 5
Stamen color	Yellow-green 144A
Pollen	Present
Pollen color	Yellow 7A
Pistil	Present in both ray- and disc florets
Pistil number	One per floret
Style color	Yellow 13A

TABLE 1-continued

Botanical description of *chrysanthemum* plant named 'Zanmusunbur'	
Style Length	4 mm
Stigma color	Yellow-green 144A
Stigma Width	1 mm
Ovaries	Enclosed in calyx
Plant	
Form	Grown as a spray type potmum, outdoor mounded and round
Growth habit	Spherical shape
Growth rate	Low
Height	25-30 cm
Width	35-40 cm
Stem Color	Greyed-brown 199C
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Absent
Internode length	0.5-0.75 cm
Length of lateral branch	From top to bottom 12 cm
Lateral branch color	Green 137C
Lateral branch, attachment	Medium strength
Branching (average number of lateral branches)	Good with 7-8 breaks after pinching
Natural season blooming date	September 10 (week 37)
Foliage	
Leaf color	Upper side: Green 137A Lower side: Green 139C
Color midvein	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
Size	Small.; length 4-4.5 cm, width 2.5-3.5 cm
Quantity (number per lateral branch)	14-16
Shape	Ovate
Texture upper side	Glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrated
Shape of Base of Sinus Between Lateral Lobes	Rounded
Margin of Sinus Between Lateral Lobes	Diverging
Shape of Base	Obtuse-rounded
Apex	Mucronulate
Petiole length	0.5-1 cm
Petiole color	Yellow-green 147D

TABLE 2

Differences with the comparison variety		
	'Zanmusunbur'	'Florina'
Number ray-florets	68-72	40
Length ray-florets	2-2.2 cm	1.5 cm

I claim:

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

* * * * *

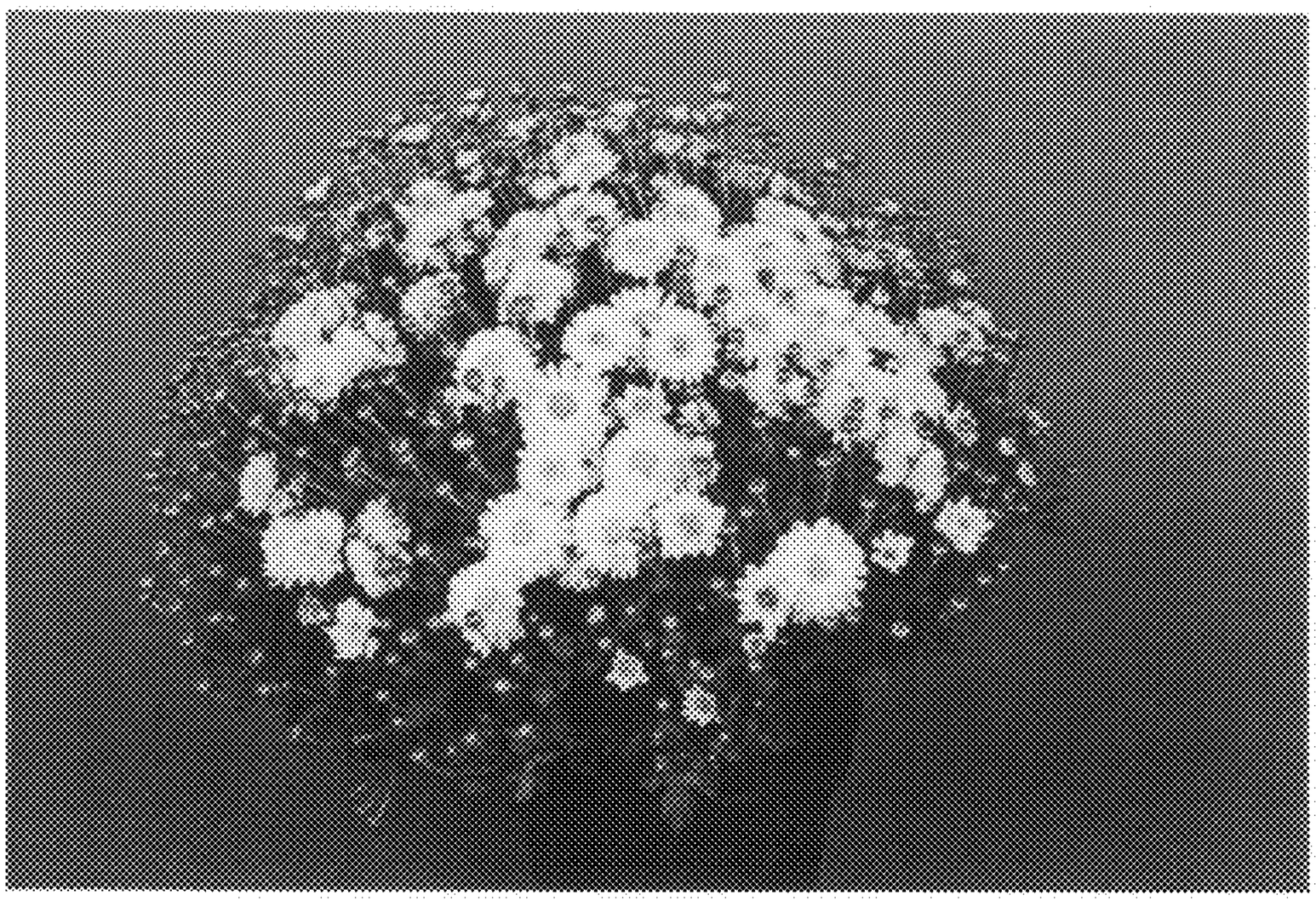
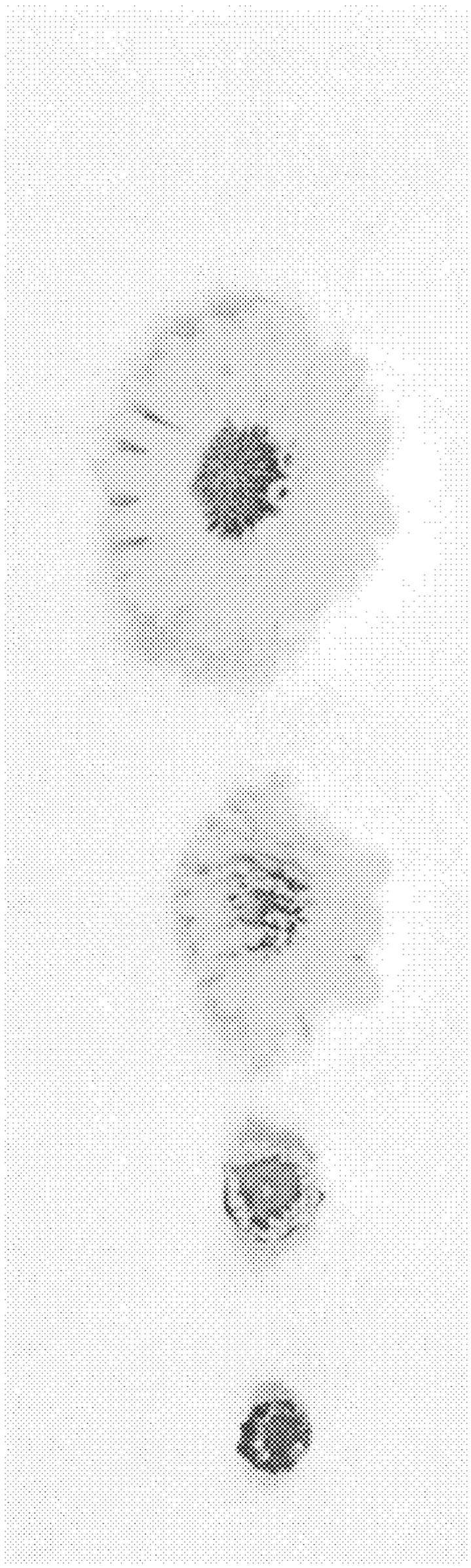


FIG. 1

FIG. 2



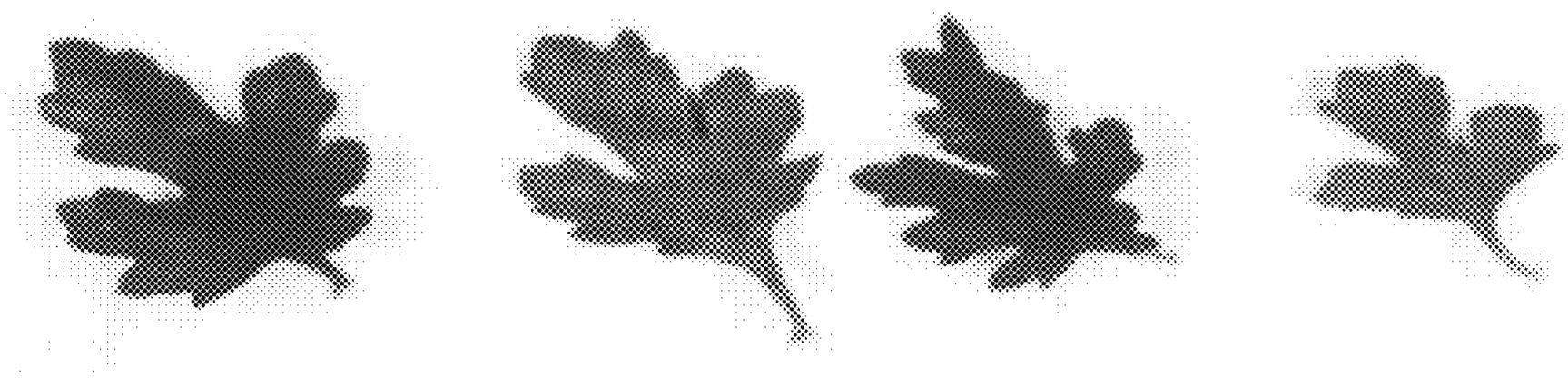


FIG. 3