



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

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

(50) Latin Name: *Chrysanthemum*×*Morifolium*
Varietal Denomination: **Zanmuspar**

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patent is extended or adjusted under 35
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A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./294**

(58) **Field of Classification Search** **Plt./294**

See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named 'Zanmuspar' characterized
by its medium sized blooms with white ray florets and a
yellow center, and prolific branching; natural season flower
date September 24; blooming for a period of 5 weeks.

3 Drawing Sheets

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Botanical designation: *Chrysanthemum*×*morifolium*
Ramat.

Cultivar denomination: 'Zanmuspar'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *chrysanthemum* plant, botanically known as *Chrysante-*
mum×*morifolium* Ramat., commercially grown as a garden
mum, and herein after referred to by the cultivar denomina-
tion 'Zanmuspar'. 'Zanmuspar' is a product of a breeding and
selection program for outdoor pot mums (garden mums)
which had the objective of creating new *chrysanthemum* cul-
tivars with a semi-double type flower, a natural season flower
date around September 24; blooming for a period of 5 weeks.
'Zanmuspar' is a seedling resulting from a crossing of the
seed parent id 15.836 and pollen parent id 647. Plants of the
new cultivar 'Zanmuspar' differ mainly from the parent plants
in natural-season flowering. The plants of 'Zanmuspar'
flower in mid-season, while those of the seed parent flower in
early-season, and those of the pollen parent in late-season.
The new and distinct cultivar was discovered and selected as
a flowering plant by Wilhelmus Bernardus Blom on a culti-
vated field in Rijsenhout, The Netherlands in 2004. The first
act of asexual production of 'Zanmuspar' was accomplished
when vegetative cuttings from the initial selection in 2004
were propagated further in a controlled environment in
Rijsenhout, The Netherlands. The new cultivar has been
found to retain its distinctive characteristics through succes-
sive 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.

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

FIG. 2 shows the various stages of bloom of the new cul-
tivar.

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
24 (week 39). The average height of the plants was 35 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 medium
sized blooms with white ray florets and a yellow center
blooming for a period of 5 weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to 'Zanmuspar' is 'Starlet
White' (U.S. Plant Pat. No. 16,470). When 'Starlet White' and
'Zanmuspar' are being compared the following difference is
noticed: The difference of 'Starlet White' and 'Zanmuspar'
are (1) Number of blooms And (2) Ray-floret length (1) The
number of blooms per branch is higher in 'Starlet White' than
in 'Zanmuspar'. (2) The ray-florets of 'Zanmuspar' are longer
than those of 'Starlet White'.

The following is a description of the plant and character-
istics that distinguish 'Zanmuspar' as a new and distinct vari-
ety.

The color designations are taken from the plant itself.
Accordingly, any discrepancies between the color designa-
tions and the colors depicted in the photographs are due to
photographic tolerances. The color chart used in this descrip-
tion is: The Royal Horticultural Society Colour Chart, edition
2001.

TABLE 1

Botanical description of <i>chrysanthemum</i> plant named ‘Zanmuspar’	
<u>Bud</u>	
Size	Small ;cross-section 0.4 cm, height 0.6 cm
Outside Color	Yellow-white 158D
Phyllaries	2 rows
Phyllaries among disc-florets	Not present
<u>Bloom</u>	
Type	Semi-double
Height	1.5 cm
Size	5.5 cm
Phyllary number	10-12
Phyllary color (upper surface)	Green 138A
Phyllary length and width	length 7 mm, width 3 mm
Peduncle length	3.5 cm
Peduncle color	Greyed-green 189B
Number of blooms per branch	Approx. 8-10 blooms per branch
Duration of flowering	5 weeks
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance Color	Typical <i>chrysanthemum</i> , slightly
Center of the flower (disc florets)	Immature stage: Yellow-green 144B
Color of upper surface of the ray-florets	Mature stage: Yellow-orange 16A
Color of the lower surface of the ray-florets	White 155D
Tonality from Distance	White 155D
Color of the ray-florets after aging of the plant	A garden mum with white flowers and yellow center
Ray florets	White 155D
Texture	Upper and under side smooth
Number	68-70
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.3 cm
Ray-floret margin	Entire
Ray-floret length	2-2.2 cm
Ray-floret width	0.3-0.5 cm
Ratio length/width	High
Shape of tip	Dentate
<u>Disc florets</u>	
Disc diamter	1 cm
Distribution of disc florets	Many, clearly visible in all stages of flowering
Shape	Tabular
Color	Yellow-green 144B at upper part; Yellow 11D at base
Receptacle shape	Conical raised
<u>Reproductive Organs</u>	
Stamen	Present in disc florets only
Stamen color	Yellow-green 144A
Pollen	Present
Pollen color	Yellow 7A
Number of pistil per ray-florets	One
Styles	Present in both ray- and disc florets

TABLE 1-continued

Botanical description of <i>chrysanthemum</i> plant named ‘Zanmuspar’		
5	Style color	Yellow 13A
	Style Length	4 mm
	Stigma color	Yellow-green 144A
	Stigma Width	1 mm
	Ovaries	Enclosed in calyx
	<u>Plant</u>	
10	Form	Grown as a spray type pot mum, outdoor mounded and round
	Growth habit	Spherical shape
	Growth rate	Vigorous
	Height	35 cm
15	Width	50 cm
	Stem Color	Greyed-brown 199C
	Stem Strength	Strong
	Stem Brittleness	Not brittle
	Stem Anthocyanin	Absent
	Coloration	
20	Internode length	1-2 cm
	Length of lateral branch	From top to bottom 16-18 cm
	Lateral branch color	Yellow-green 138B
	Lateral branch, attachment	Strong
25	Branching (average number of lateral branches)	Good with 7-8 breaks after pinching
	Natural season blooming date	September 24
	<u>Foliage</u>	
30	Leaf color	Upper side: Green 139A Lower side: Green N138B
	Color midvein	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
	Size	Small.; length 4.5-7 cm, width 3-5 cm
	Quantity (number per lateral branch)	15-17
35	Shape	Ovate
	Texture upper side	Glabrous
	Texture under size	Pubescent
	Venation arrangement	Palmate
	Shape of the margin	Serrated
40	Shape of Base of Sinus	Rounded
	Between Lateral Lobes	
	Margin of Sinus	Diverging
	Between Lateral Lobes	
	Shape of Base	Truncate
	Apex	Mucronulate
	Petiole length	0.5-1 cm
45	Petiole color	Yellow-green 148D

TABLE 2

50	<u>Differences with the comparison variety</u>		
		‘Zanmuspar’	‘Starlet White’
	Number of blooms per branch	11-20	8-10
	Length ray-floret	2-2.5 cm	1.5-1.8 cm

The invention claimed is:
1. A new and distinct variety of *chrysanthemum* plant as described and illustrated.

* * * * *

FIG. 1

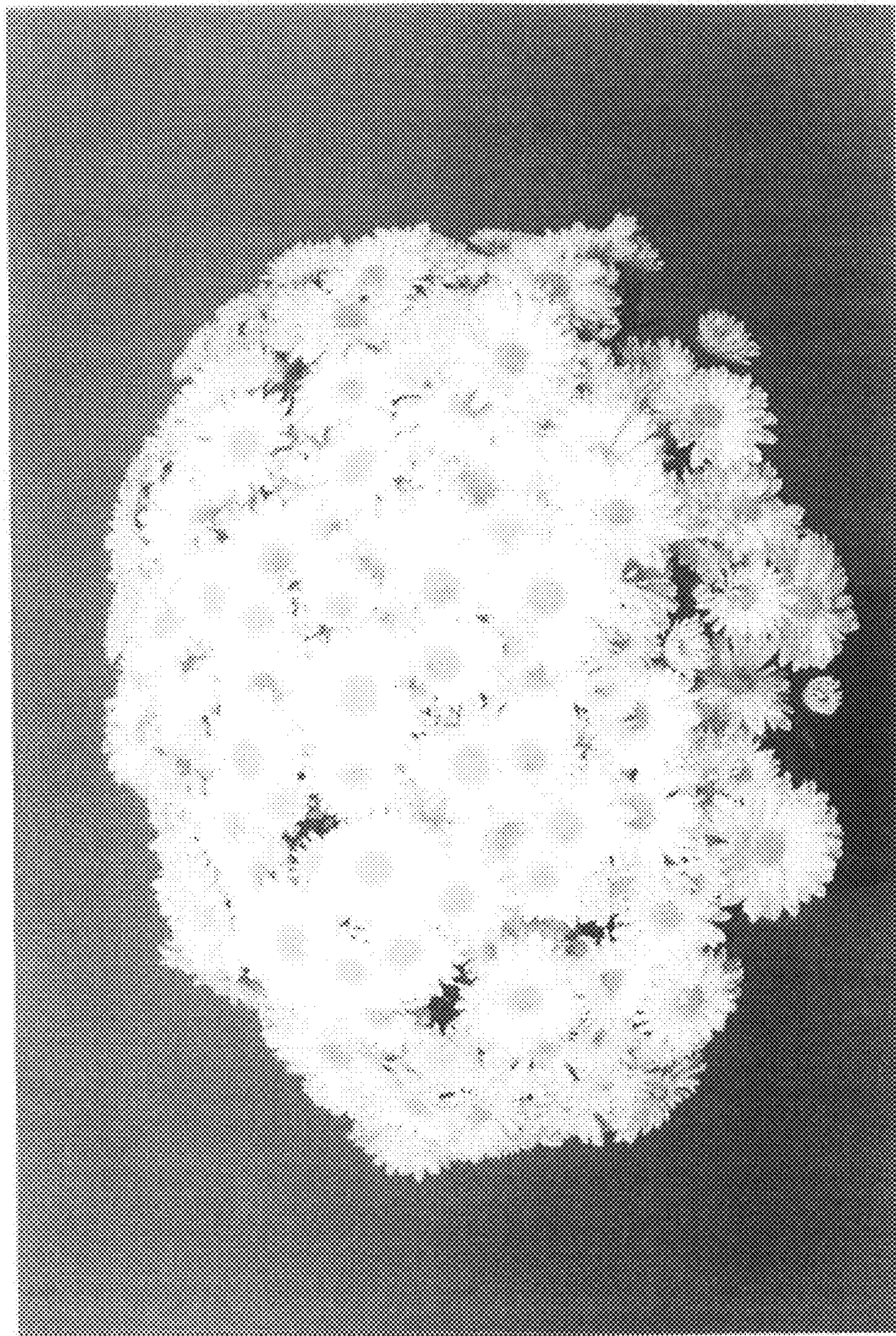


FIG. 2



FIG. 3

