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

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

(22) Filed: **Dec. 23, 2015**

(50) Latin Name: *Chrysanthemum*×*morifolium*  
**Ramat.**

(51) **Int. Cl.**  
**A01H 5/02** (2006.01)

Varietal Denomination: **Zanmuberry**

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

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(58) **Field of Classification Search**  
USPC ..... **Plt./286**  
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 'Zanmuberry' characterized  
by its medium sized blooms with purple ray florets and  
prolific branching; natural season flowering date September  
21; blooming for a period of 5 weeks.

(21) Appl. No.: **14/757,485**

**3 Drawing Sheets**

**1**

**2**

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

Cultivar denomination: 'Zanmuberry'.

cuttings of the new cultivar, after another 5 days rooted  
plants are formed. The new cultivar has been found to retain  
its distinctive characteristics through successive propaga-  
tions.

RELATED CULTIVARS

BRIEF DESCRIPTION OF THE DRAWINGS

This new plant cultivar 'Zanmuberry' is of the botanical  
classification *Chrysanthemum*×*morifolium* Ramat.

The present invention of a new and distinct variety of  
*chrysanthemum* (of about 17 weeks) is shown in the accom-  
panying drawings, the color being as nearly true as possible  
with color photographs of this type.

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 known as a garden  
mum, and hereinafter referred to by the cultivar denomina-  
tion 'Zanmuberry'. 'Zanmuberry' is a product of a breeding  
and selection program for outdoor pot mums (garden mums)  
which had the objective of creating new cultivars with a  
double type inflorescence, a natural season flowering date  
around September 21, blooming for a period of 5 weeks.  
'Zanmuberry' is a seedling resulting from a cross of the  
female parent 17194 (unpatented) with the male parent  
16960 (unpatented). Plants of the new cultivar 'Zanmu-  
berry' differ from plants of the female parent in the follow-  
ing characteristics. (1) Natural season flowering date—  
Plants of the seedling flower two weeks later than those of  
the female parent. (2). Inflorescence size—Blooms of the  
seedling are larger than those of the female parent. Plants of  
the new cultivar 'Zanmuberry' differ from plants of the male  
parent in the following characteristics. (1). Inflorescence  
size—Blooms of the seedling are smaller than those of the  
male parent.

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 new and distinct cultivar was discovered and selected  
as a flowering plant by Henricus Cornelius Maria Jacobs on  
a cultivated field in Rijsenhout, The Netherlands in May  
2011. The first act of asexual production of 'Zanmuberry'  
was accomplished in July 2011 when vegetative cuttings  
from the initial selection were propagated further in a  
controlled environment in Rijsenhout, the Netherlands. In  
summer, about 6-8 days are needed to initiate roots in

The observations and measurements were gathered from  
plants in the period of 16 to 21 weeks of age grown outdoor  
in Rijsenhout, the Netherlands, under natural day length and  
temperature and planted in week 23 in 2015, receiving drip  
irrigation. The natural blooming date of this crop was  
September 21 (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 purple ray  
florets blooming for a period of 5 weeks.

From the cultivars known to the inventor the most similar  
existing cultivar in comparison to 'Zanmuberry' is 'Zan-  
mumajes' (U.S. Plant patent application Ser. No. 13/998,  
973.). When 'Zanmumajes' and 'Zanmuberry' are being  
compared the following difference is noticed: The differ-  
ences of 'Zanmumajes' and 'Zanmuberry' (1). Inflorescence  
size. And (2). Color ray-florets. (1). Inflorescences of 'Zan-  
muberry' are larger than those of 'Zanmumajes'. (2). Ray-  
florets of 'Zanmuberry' are darker in color than those of  
'Zanmumajes'.

The following is a description of the plant and characteristics that distinguish 'Zanmuberry' 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 <i>Chrysanthemum × morifolium</i><br>Ramat. 'Zanmuberry' |  |
|---|--|
| <b>Bud</b>  |  |
| Size:   | Small; cross-section 6 mm, height 5 mm                     |
| Shape:  | Round  |
| Texture:  | Pubescent  |
| Outside color:  | Greyed-green 191A  |
| <b>Phyllaries</b>   |  |
| Number:   | 21-24, arranged in 3 rows                                  |
| Shape:  | Elliptic   |
| Apex:   | Acute  |
| Base:   | Truncate   |
| Margin:   | Entire   |
| Color:  | Upper side: Greyed-green 191A<br>Lower side: Green 141C    |
| Length and width:   | 3-4 mm; 2 mm   |
| Texture:  | Pubescent  |
| <b>Inflorescences</b>   |  |
| Type:   | Double   |
| Height:   | 1.5 cm   |
| Diameter:   | 4.5 cm   |
| Peduncle length:  | 5.5-6 cm   |
| Peduncle color:   | Greyed-purple 183D   |
| Peduncle diameter:  | 1.5 mm   |
| Peduncle texture:   | Pubescent  |
| Number per branch:  | About. 3-4 inflorescences                                  |
| Duration of flowering:  | 5 weeks  |
| Seed set:   | Not determined to date                                     |
| Fragrance:  | Spicy, <i>chrysanthemum</i> odor                           |
| <b>Color inflorescences</b>   |  |
| Center of inflorescence:  | Immature stage: Purple N77A;<br>Mature stage: Yellow 13A   |
| Color of upper side of ray florets:   | Outer rows: Purple N77B;<br>Inner Rows: Purple N77A        |
| Color of lower side of ray florets:   | Outer rows: Greyed-purple 186B;<br>Inner rows: Purple N77A |
| Tonality from distance:   | A garden mum with purple blooms and a dark center          |
| Color of ray florets after aging of the plant:                                    | Purple N77B  |
| <b>Ray florets</b>  |  |
| Number of types:  | One  |
| Type:   | Ligulate   |
| Texture:  | Upper and lower side smooth                                |
| Number:   | 180-200  |
| Shape:  | Outer rows: Elliptic;<br>Inner rows: Narrowly elliptic     |
| Apex:   | Outer rows: Dentate;<br>Inner rows: Pointed                |
| Base:   | Acute  |
| Cross-section:  | Outer rows: Flat;<br>Inner rows: Concave                   |
| Longitudinal axis:  | Outer rows: Straight;<br>Inner rows: Incurving             |
| Length of corolla tube:   | 2-4 mm   |
| Diameter corolla tube:  | 1 mm   |
| Ray floret margin:  | Entire   |
| Ray floret length:  | 1.2 to 2.3 cm  |
| Ray-floret width:   | 2-6 mm   |

TABLE 1-continued

| Botanical Description of <i>Chrysanthemum × morifolium</i><br>Ramat. 'Zanmuberry' |  |
|---|--|
| <b>5 Disc florets</b>   |  |
| Disc diameter:  | 1 mm   |
| Distribution of disc florets:   | Few, hardly visible in mature stage of inflorescence           |
| Shape:  | Tubular  |
| Color:  | Yellow-green 145C at base to<br>Green-yellow 11D at apex       |
| Length:   | 3 mm   |
| <b>Receptacle</b>   |  |
| Color:  | Yellow-green 145D  |
| Shape:  | Domed raised   |
| Height:   | 3 mm   |
| Diameter:   | 4 mm   |
| <b>Reproductive Organs</b>  |  |
| Androecium:   | Present on only disc florets                                   |
| Stamen length:  | 3 mm   |
| Stamen color:   | Yellow-green 144A  |
| 20 Anther color:  | Yellow 2A  |
| Pollen:   | Scarce   |
| Pollen color:   | Yellow 13A   |
| Gynoecium:  | Present on both ray and disc florets                           |
| Style color:  | Yellow-green 154C  |
| 25 Style length:  | 4 mm   |
| Stigma color:   | Yellow 7A  |
| Stigma width:   | 1 mm   |
| Ovary:  | Enclosed in calyx  |
| Ovary color:  | Yellow-green 149D  |
| <b>Plant</b>  |  |
| 30 Type:  | Bushy  |
| Growth habit:   | Spherical shape  |
| Growth rate:  | Medium   |
| Height:   | 35 cm  |
| Width:  | 45 cm  |
| 35 Stem color:  | Greyed-brown 199A  |
| Stem strength:  | Strong   |
| Stem brittleness:   | Not brittle  |
| Stem anthocyanin coloration:  | Present  |
| Internode length:   | 1-3.5 cm   |
| Length of lateral branch:   | From top to bottom 18-20 cm                                    |
| 40 Lateral branch color:  | Green 138B overlain with<br>Greyed-purple 183D                 |
| Lateral branch, attachment:   | Strong   |
| Lateral branch diameter:  | 2-5 mm   |
| Lateral branch, texture:  | Pubescent with ribs  |
| Branching (average number of lateral branches):                                   | Dense with 10 breaks after pinching                            |
| 45 Natural season blooming date:  | September 21 (week 39) in<br>Rijsenhout, the Netherlands       |
| Roots-habits:   | Fine, freely branching   |
| Roots-color:  | White 155A   |
| <b>Foliage</b>  |  |
| 50 Glossiness:  | Leaf upper side: weak<br>Leaf lower side: absent               |
| Leaf color:   | Upper side: Green 139A<br>Lower side: Green 138A               |
| Color midvein:  | Upper side: Yellow-green 147D<br>Lower side: Yellow-green 148D |
| 55 Size:  | Small; length 2.8-6.5 cm,<br>width 1.6-3.5 cm                  |
| Quantity (number per lateral branches):   | 12-14  |
| Shape:  | Elliptic   |
| Texture upper side:   | Sparsely pubescent   |
| Texture under side:   | Pubescent  |
| 60 Venation arrangement:  | Pinnate  |
| Shape of margin:  | Serrated   |
| Shape of base of sinus between lateral lobes:                                     | Rounded  |
| 65 Margin of sinus between  | Diverging  |

TABLE 1-continued

| Botanical Description of <i>Chrysanthemum × morifolium</i><br>Ramat. 'Zanmuberry' |                    |
|---|--------------------|
| lateral lobes:  |                    |
| Shape of base:  | Acute to truncate  |
| Apex:   | Mucronulate        |
| Petiole strength:   | Weak               |
| Petiole attitude:   | Moderately upwards |
| Petiole length:   | 0.4-1 cm           |
| Petiole diameter:   | 1.5 mm             |
| Petiole color:  | Yellow-green 147D  |
| Stipule:  | 1.5 mm             |

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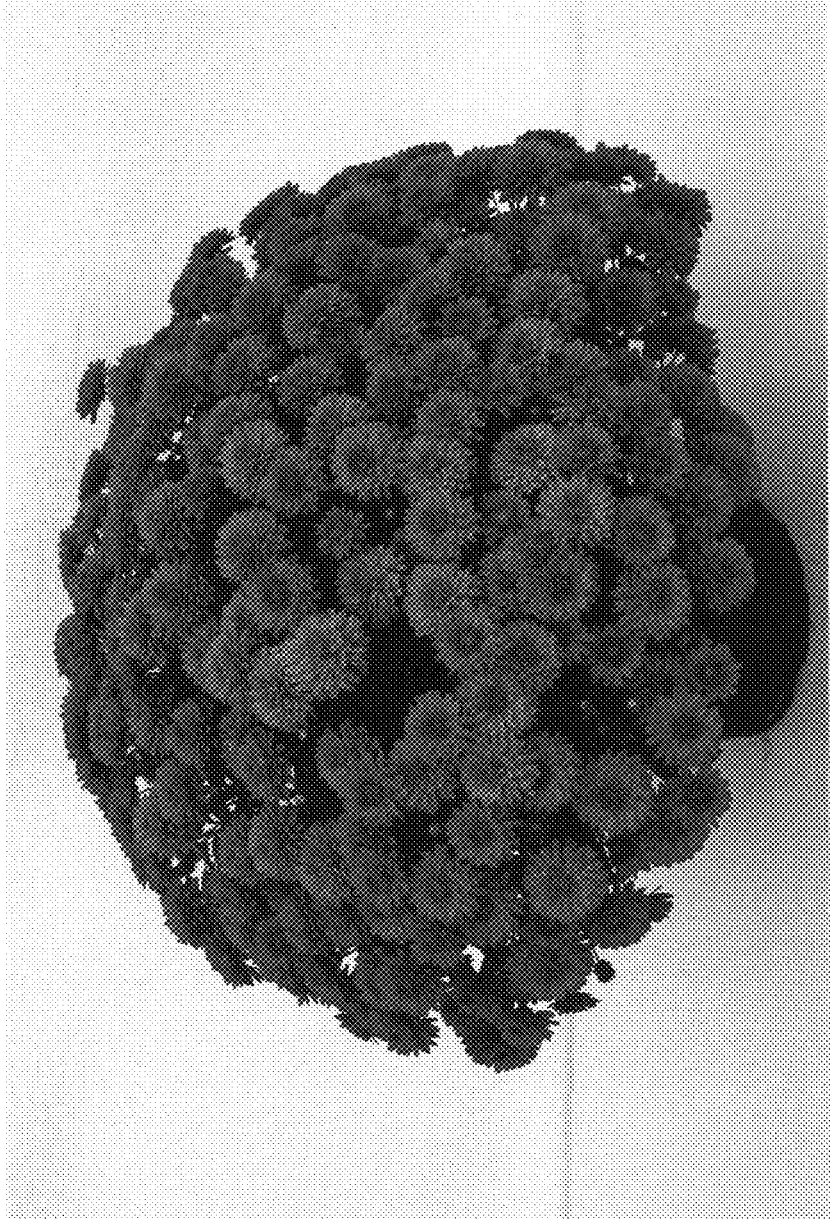
TABLE 2

| Differences with the comparison variety, when grown under identical conditions |              |              |
|--|--------------|--------------|
|  | 'Zanmuberry' | 'Zanmumajes' |
| Inflorescence size   | 4.5 cm       | 3 cm         |
| Color ray-florets  | Purple N77A  | Purple N77B  |

I claim:

1. A new and distinct *chrysanthemum* plant named 'Zanmuberry' as described and illustrated.

\* \* \* \* \*



**FIG. 1**

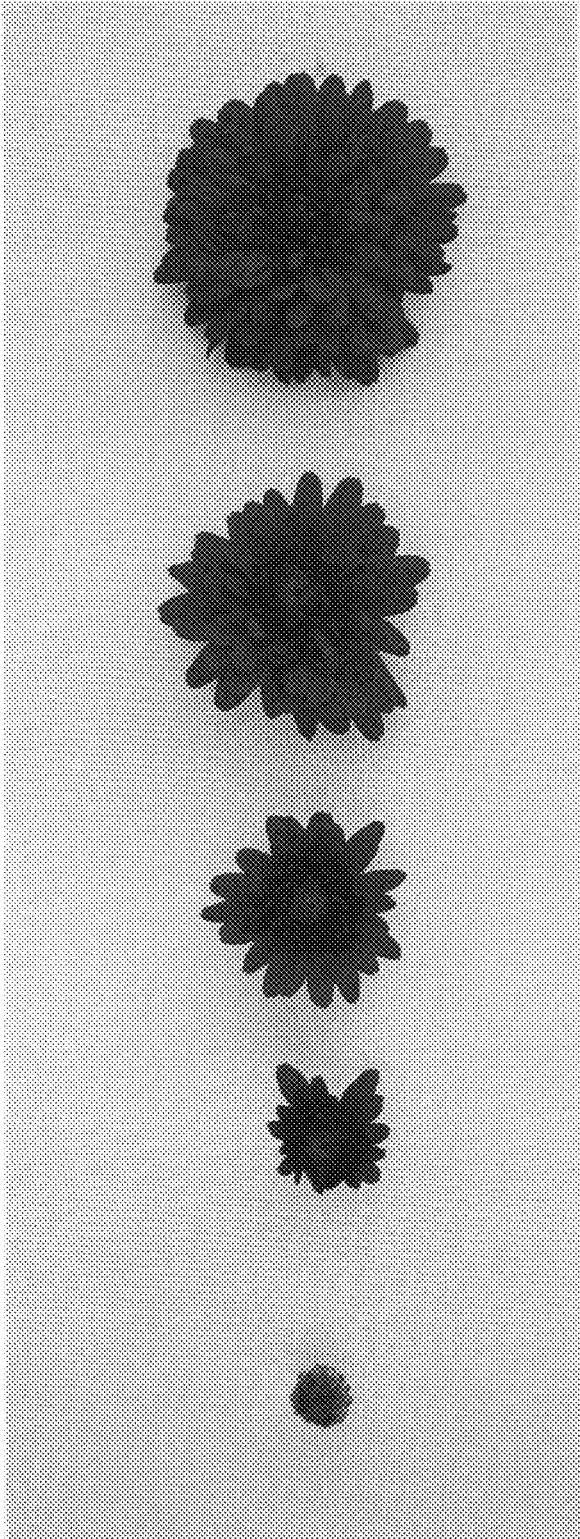


FIG. 2

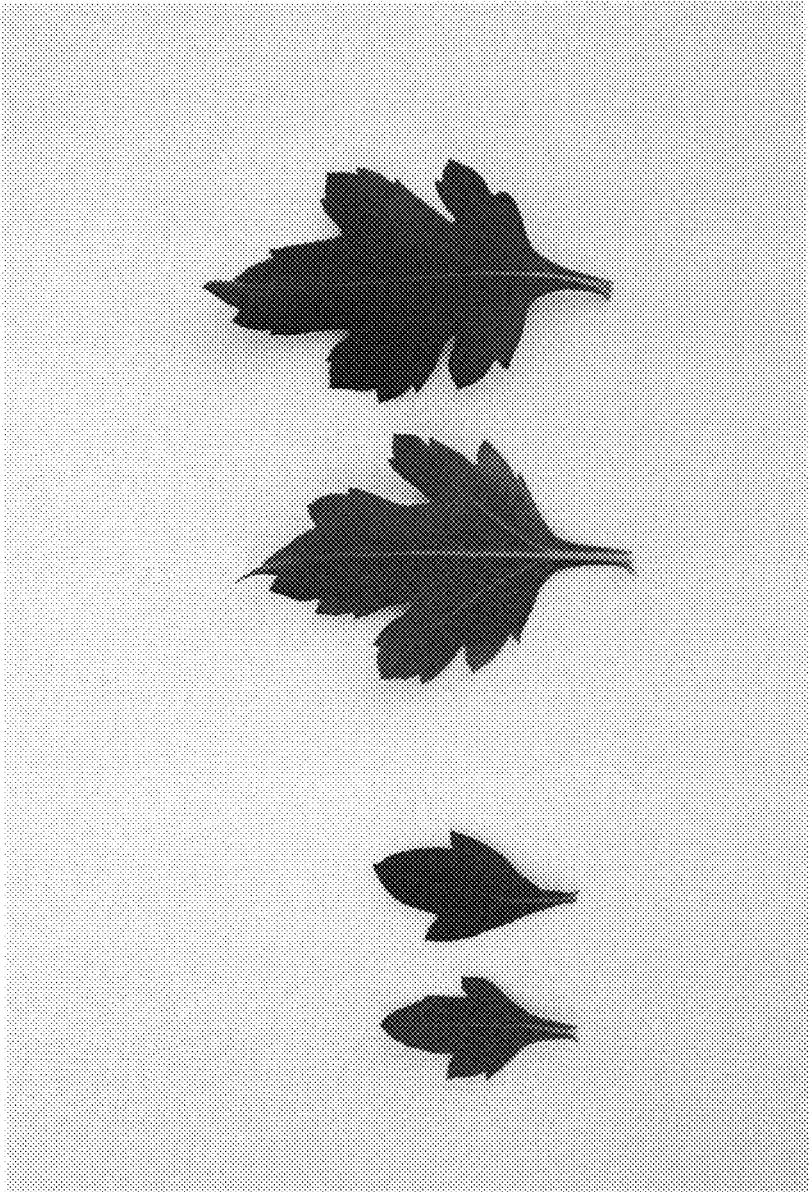


FIG. 3