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

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

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

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patent is extended or adjusted under 35
U.S.C. 154(b) by 186 days.

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A01H 5/00 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./291**

(58) **Field of Classification Search**
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(57) **ABSTRACT**

A *Chrysanthemum* plant named 'Zanmubrilpin' character-
ized by its medium sized blooms with pink ray florets and
prolific branching; natural season flowering date October 1-4
(week 40); blooming for a period of 4 weeks.

3 Drawing Sheets

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

Cultivar denomination: 'Zanmubrilpin'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Chrysanthemum* plant, botanically known as *Chrysanthemum*×*morifolium* Ramat., commercially known as a garden
mum, and hereinafter referred to by the cultivar denomination
'Zanmubrilpin'. 'Zanmubrilpin' 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 week 40, blooming for a period of 5 weeks. 'Zanmu-
brilpin' is a seedling resulting from a cross of the female
parent id 24446 with the male parent id 26356. Plants of the
new cultivar 'Zanmubrilpin' differ from its parent plants in
ray-floret color; the seedling has pink ray-florets, while the
female parent has red ray-florets and the male parent has
white ray-florets.

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 2010. The
first act of asexual production of 'Zanmubrilpin' was accom-
plished when vegetative cuttings from the initial selection in
2010 were propagated further in a controlled environment in
Rijsenhout, The Netherlands. In summer, about 6-8 days are
needed to initiate roots in cuttings of the new cultivar, after
another 5 days rooted plant are formed. 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 (of about 19 weeks) is shown in the accom-

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panying 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 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, in the period of 18 to 24 weeks of age, grown outdoor
in Rijsenhout, The Netherlands under natural day length and
temperature and planted in week 23 in 2013 (with a warm
summer), receiving drip irrigation. The natural blooming date
of this crop was October 1-4 (week 40). The average height of
the plants was 35 cm. No growth retardants were used. No
tests were done on disease or insect resistance or susceptibil-
ity. No tests were done on cold or drought tolerance. This new
variety produces medium sized blooms with pink ray florets
blooming for a period of 4 weeks.

From the cultivars known to the inventor the most similar
existing cultivar in comparison to 'Zanmubrilpin' is 'Zanmu-
flaminneon' (U.S. Plant Pat. No. 25,028). When 'Zanmu-
flaminneon' and 'Zanmubrilpin' are being compared the fol-
lowing differences are noticed: The differences of
'Zanmuflaminneon' and 'Zanmubrilpin' are (1) Inflorescence
color and (2) Plant vigor. (1) The inflorescences of 'Zalmu-
flaminneon' are more brightly pink colored than those of
'Zalmubrilpin'. (2) Plants of 'Zanmuflaminneon' are less vig-
orous than those of 'Zanmubrilpin'.

The following is a description of the plant and character-
istics that distinguish 'Zanmubrilpin' as a new and distinct
variety.

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 × morifolium</i> Ramat. ‘Zanmubrilpin’	
Bud	
Size:	Small; cross-section 7 mm, height 4-5 mm
Shape:	Round
Texture:	Pubescent
Outside color:	Greyed-green 191A
Phyllaries	
Number:	20-22, arranged in 3 rows
Shape:	Elliptic
Apex:	Acute
Base:	Truncate
Margin:	Entire
Color:	Upper side: Green 139B Lower side: Green 141B
Length and width:	4-5 mm; 1.5 mm
Texture:	Pubescent
Inflorescences	
Type:	Double
Height:	1.2-1.3 cm
Diameter:	5-5.5 cm
Peduncle length:	10-12 cm
Peduncle color:	Green 139C
Peduncle diameter:	2 mm
Peduncle texture:	Pubescent
Peduncle strength:	Weak
Number per branch:	About 7 inflorescences
Duration of flowering:	5 weeks
Seeds:	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm, diameter 0.5 mm; texture: rough with ribs
Fragrance:	Faint chrysanthemum odor
Color inflorescences	
Center of inflorescence (disc florets):	Immature stage: Purple N79A; Mature stage: Yellow 13B
Color of upper side of ray florets:	Red-purple 70B
Color of lower side of ray florets:	Purple-Violet N80C
Tonality from distance:	A garden mum with decorative pink blooms and a dark center
Color of ray florets after aging of the plant:	Greyed-purple 186D
Ray florets	
Type:	Ligulate
Texture:	Upper and lower side smooth
Number:	160-180
Shape:	elliptic
Apex:	dentate
Base:	attenuate
Cross-section:	flat
Longitudinal axis:	straight
Length of corolla tube:	2-4 mm
Diameter corolla tube:	0.9-11 mm
Ray floret margin:	Entire
Ray floret length:	1.2-2.6 cm
Ray floret width:	2-7 mm
Ratio length/width:	medium
Disc florets	
Disc diameter:	2 mm
Distribution of disc florets:	Few, only visible in very mature stage of inflorescence
Shape:	Tubular
Color:	Yellow-green 145C at base to Green Yellow 13B at apex
Length:	4 mm
Diameter:	1 mm
Receptacle	
Color:	Yellow-green 145D
Shape:	Domed raised

TABLE 1-continued

Botanical Description of <i>Chrysanthemum × morifolium</i> Ramat. ‘Zanmubrilpin’	
5	Height: 3 mm Diameter: 2- 3 mm
Reproductive Organs	
10	Androecium: Present on only disc florets
	Stamen length: 3 mm
	Stamen color: Yellow-green 144A
	Anther color: Yellow 2A
	Pollen: Scarce
15	Pollen color: Yellow 12A
	Gynoecium: Present on both ray and disc florets
	Style color: Yellow-green 154C
	Style length: 4 mm
	Stigma color: Yellow 7A
20	Stigma width: 1 mm
	Ovary: Enclosed in calyx; color: Yellow-green 149D
	Plant
	Type: Bushy
	Growth habit: Spherical shape
25	Growth rate: High
	Height: 35 cm
	Width: 55 cm
	Stem color: Greyed-brown 199A
	Stem strength: Weak
30	Stem brittleness: brittle
	Stem anthocyanin coloration: absent
	Internode length: 2-2.5 cm
	Length of lateral branch: From top to bottom 25 cm
	Lateral branch color: Green 137 C
35	Lateral branch, attachment: Weak
	Lateral branch diameter: 3 mm
	Lateral branch texture: Pubescent with ribs
	Branching (average number of lateral branches): Dense, with 8 breaks after pinching
	Natural season blooming date: October 1-4 (week 40) in Rijsenhout, The Netherlands
40	Roots-habits: Freely branching, fine
	Roots-color: White 155D
	Foliage
	Glossines: Leaf upper side: absent Leaf lower side: absent
	Leaf color: Upper side: Green 139B Lower side: Green 139C
45	Color midvein: Upper side: Yellow-green 147D Lower side: Yellow-green 148D
	Size: Small; length 3-5.5 cm, width 1.5-3 cm
	Quantity (number per lateral branches): 24-26
50	Shape: Broadly elliptic
	Texture upper side: Sparsely pubescent
	Texture under side: Pubescent
	Venation arrangement: Palmate
	Shape of margin: Serrated
55	Shape of base of sinus between lateral lobes: Rounded
	Margin of sinus between lateral lobes: Diverging
	Shape of base: Truncate to asymmetric
	Apex: Mucronulate
	Petiole attitude: Horizontal
60	Petiole length: 0.7 cm
	Petiole diameter: 2 mm
	Petiole color: Yellow-green 147D
	Stipule: Occasionally present, 0.8 mm
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TABLE 2

Differences with the comparison variety, when grown under identical conditions		
	“Zanmubrilpin”	‘Zanmuflaminneon’
Color upper side ray florets	Red-purple 70B	Red-purple 64D
Plant height	35 cm	28-30 cm

I claim:

1. A new and distinct *Chrysanthemum* plant named ‘Zan-
mubrilpin’ as described and illustrated.

* * * * *



FIG. 1



FIG. 2

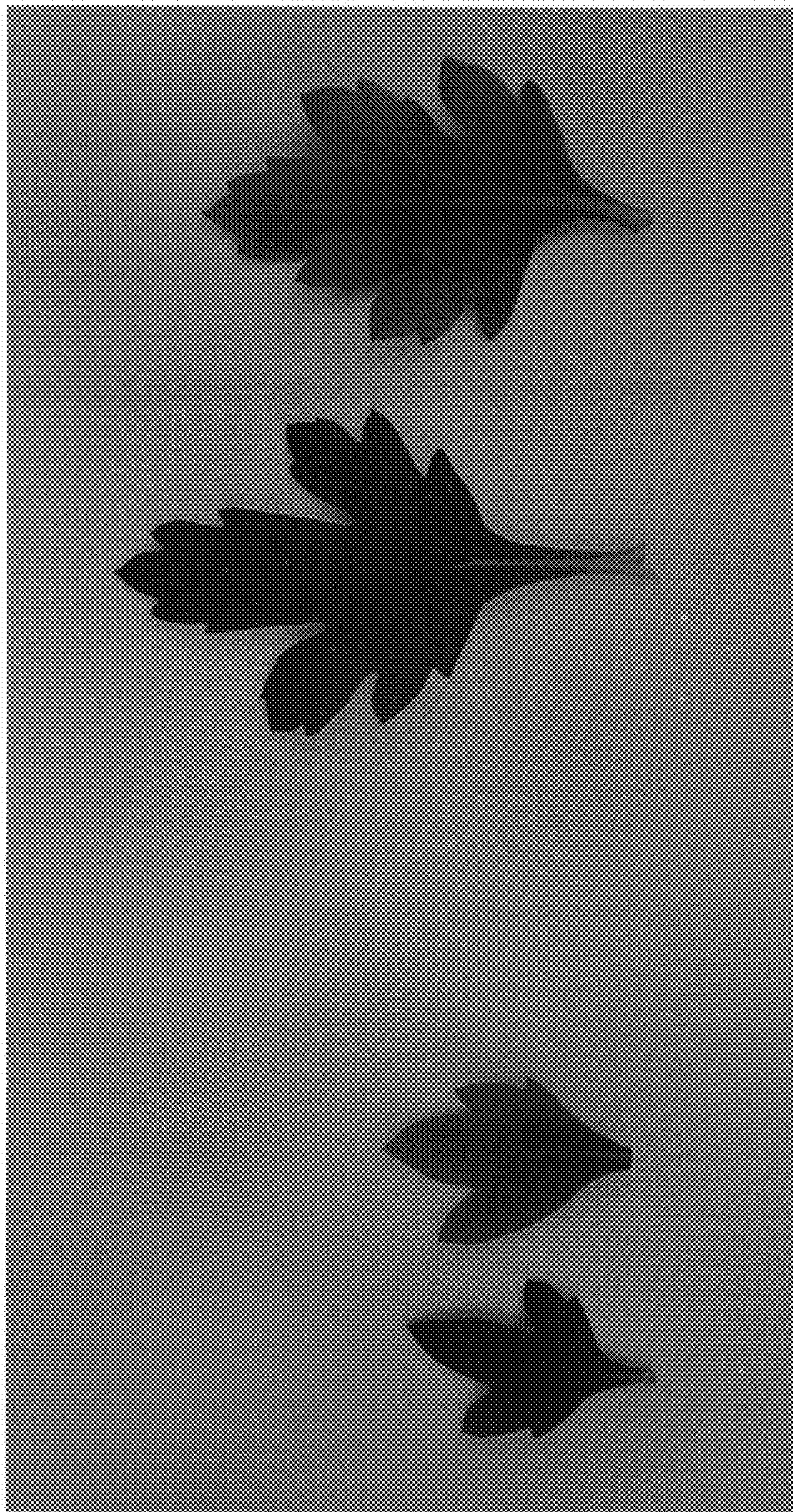


FIG. 3