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Vijverberg

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[54] CHRYSANTHEMUM PLANT NAMED
‘VYMINI’
[75] Inventor: Arnold Vijverberg, ’s-Gravenzande,
Netherlands
[73] Assignee: Vyking Flowers B.V., Netherlands
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Primary Examiner—Howard J. Locker

[57] ABSTRACT

A new and distinct cultivar of chrysanthemum plant named Vymini, bearing small sized blooms with yellow ray florets and a brown center and performance of 14 days.

2 Drawing Sheets

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BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of chrysanthemum plant that is a natural occurring sport of a parent chrysanthemum named Regoltime. Parent chrysanthemum Regoltime is also described in this application. The new cultivar was discovered as a whole plant mutation in 1992 by Arnold Vijverberg in a controlled environment (greenhouse) in ’s-Gravenzande, Holland. The first act of asexual reproduction of Vymini was accomplished when vegetative cuttings were taken from the initial selection in May 1992 in ’s-Gravenzande, Holland.

SUMMARY OF THE INVENTION

The present invention is a new and distinct variety bearing small sized blooms with yellow ray florets and a brown center.

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 the stem of the cultivar in full bloom.

FIG. 2 shows the various stages of bloom and foliage of the new cultivar.

DESCRIPTION OF THE INVENTION

This new variety of chrysanthemum is of the botanical classification *Dendranthema grandiflora*. When grown in the vicinity of ’s-Gravenzande, Holland, it has a response time of approximately 6.5 weeks. This new variety produces small sized blooms with yellow ray florets and a brown center having a 2 week performance (i.e., vase life of 14 days). 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 the environment such as light intensity and temperture. To show the phenotype as described, Vymini may be planted under greenhouse conditions in Holland without assimilation lightning between week 2 and 36. With assimilation lightning (minimum level 2500 lux), Vymini may be planted year round under greenhouse conditions in Holland.

The following is a description of the plant and characteristics (color designations are from R.H.S. Color Chart) that distinguish it from related known varieties and its antecedents:

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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.

Botanical description of Vymini and its parent Regoltime:

CULTIVAR	VYMINI	Parent Cultivar REGOLTIME
<u>Bud</u>		
Size	small cross section ±1.0 cm Height ±1.0 cm	large cross section ±1.5 cm height ±1.2 cm
Outside Color <u>Bloom</u>	yellow 12B	near yellow 7C
<u>Born</u>		
Size Fully Expanded	small 3–3½ cm	small 4½–5 cm
Upper portion single flower per peduncle, lower portion plural flower per peduncle	upper portion single flower per peduncle, lower portion plural flower per peduncle	upper portion single flower per peduncle, lower portion plural flower per peduncle.
Number of blooms per single stem	Average of 22–25	Average of 10
Peduncle Lengths	near the top ±5 cm near the middle ±8 cm near the bottom ±12 cm	near the top ±6 cm near the middle ±12 cm near the bottom ±16 cm
Peduncle Lateral Shoot, Attachment	medium	medium
Peduncle Lateral Shoot, Angle	40°–35°	35°–30°
Form	single (daisy)	single (daisy)
Performance (lastingness of the total inflorescence)	reasonable, 14 days (18°–20° C.)	reasonable, 14 days (18°–20° C.)
<u>Color</u>		
Center of Flower/ Disc Floret	greyed-orange 173A grading to greyed-purple 187A at the center	Immature: yellow-green 144A Mature: yellow-green 144C
Color of the upper surface of the majority of the ray-florets	yellow 13A	Nearest Yellow 9A
Color of the lower surface of the majority of the ray-florets	yellow 7B	Between Yellow 6C and Yellow 7C
Tonality from Distance	a small yellow daisy with a brown center	A yellow daisy with a green center showing no pollen

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Botanical description of Vymini and its parent Regoltime:		
CULTIVAR	VYMINI	Parent Cultivar REGOLTIME
Discoloration	ray-florets almost none, disc-floret after anther dehiscence to yellow tipped with brown	to Yellow 8A
Pollen	Not present	Not present
Ray florets		
Texture	upper side smooth; under side smooth	upper side smooth, under side smooth.
Number	35–38 (2–3 rows)	45–50, two rows
Cross-section	concave	convex, two keels
Longitudinal	straight	imbricated
axis of majority		
Shape of tip	dentate	very good, ray florets keep straight total vase life.
Fragrance	typical chrysanthemum	typical chrysanthemum
Disc Diameter	small (1.0 cm)	medium (±1.5 cm)
Reproductive		
Organs		
Stamen (present in disc florets only)	yellow-green ±3 mm in length	yellow-green, thick, ±5 mm in length.
Pollen	not present	not present
Styles (present in disc and ray florets)	green, thin	green, thick
Style Length	±4 mm	±5 mm
Stigmas	yellow-green	yellow-green
Stigma Width	±1 mm	±2 mm
Ovaries	enclosed in calyx	enclosed in calyx
Plant		
Form	spray mum meant for erect culture. Herbaceous	spray mum meant for erect culture. Herbaceous.
Growth	very short	short
Height	±55 cm	±100 cm
Stem Color	not green: near greyed-purple 187B	yellow-green 146C
Stem Strength	very strong	strong
Stem Brittleness	present	absent
Stem Anthocyanin	present (all over the	absent

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Botanical description of Vymini and its parent Regoltime:		
CULTIVAR	VYMINI	Parent Cultivar REGOLTIME
Coloration	stem)	
Internodes	very short	very short to short, 1½–2 cm
Flowering Response (photoperiodic controlled crop, no natural growing)	6.5 weeks	10 weeks
Foliage		
Color	upperside yellow-green 144A underside yellow-green 144B	upperside green 137 A, underside green 137 C
Size	length ±7 cm; width ±4 cm	length ±12 cm, width ±8 cm
Quantity (per single stem)	35–38	28–32
Shape	incurved	incurved
Texture	fleshy	upperside fleshy, underside smooth, slightly hirsute
Ribs and Veins	ribs and veins well developed	ribs well developed, veins not so developed
Edge	crenated	crenated
Shape of Base of Sinus Between Lateral Lobes	round	round
Margin of Sinus Between Lateral Lobes	converging	converging
Shape of Base	truncate	cordate
Apex	mucronate	cuspidate
Year of Discovery	1992	1980

I claim:

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

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FIG. 1

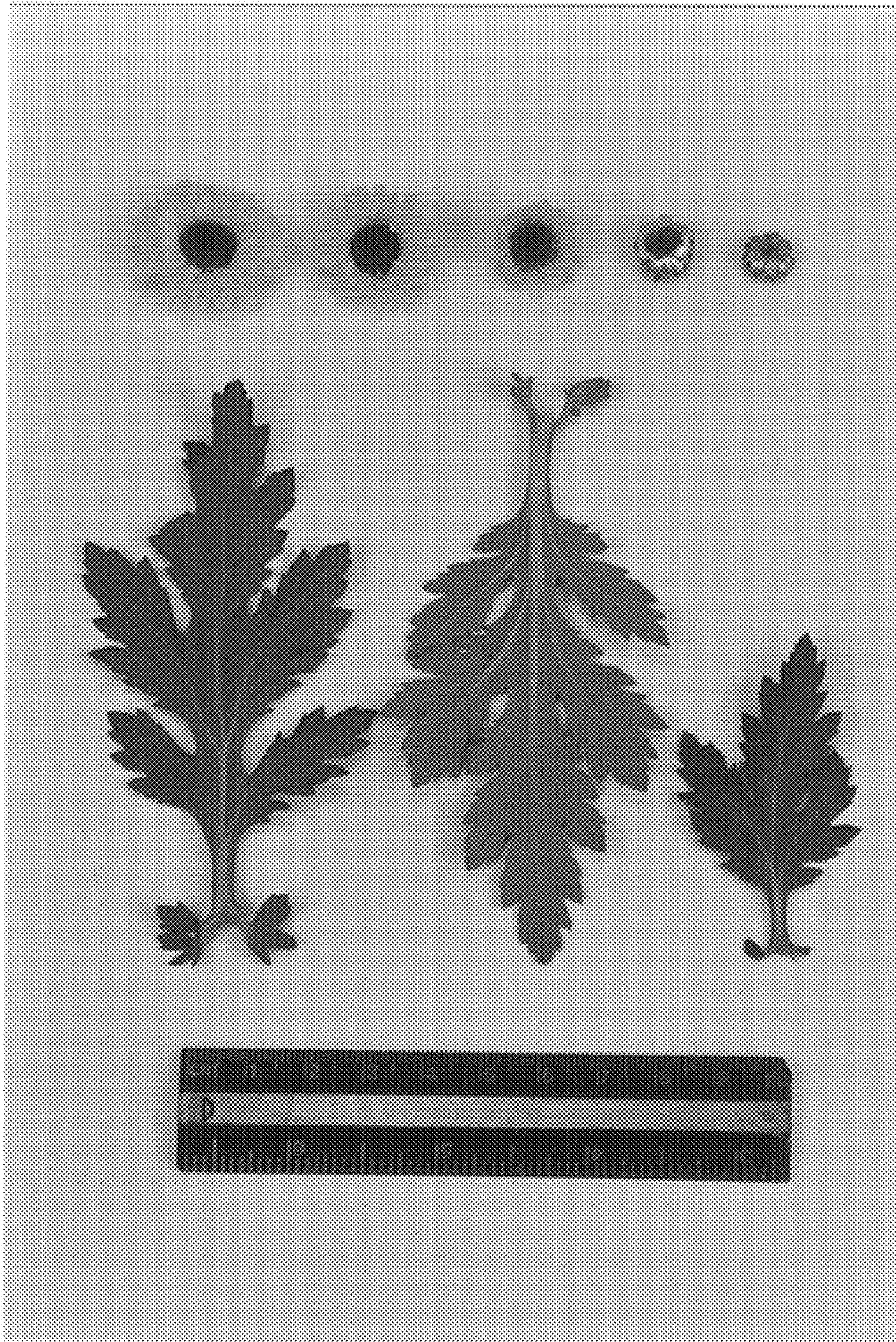


FIG. 2