



US00PP15422P2

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

(10) **Patent No.: US PP15,422 P2**
(45) **Date of Patent: Dec. 14, 2004**

(54) **CHRYSANTHEMUM PLANT NAMED ‘KEPA’**

(50) Latin Name: *Chrysanthemum morifolium*
Varietal Denomination: **Kepa**

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(NL)

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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 3 days.

(21) Appl. No.: **10/756,372**

(22) Filed: **Jan. 14, 2004**

(51) **Int. Cl.⁷** **A01H 5/00**

(52) **U.S. Cl.** **Plt./293**

(58) **Field of Search** **Plt./293**

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(57) **ABSTRACT**

A *Chrysanthemum* plant named ‘Kepa’ characterized by its
medium sized blooms with purple ray florets and prolific
branching; natural season flower date September 8–13;
blooming for a period of 5 weeks.

2 Drawing Sheets

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BACKGROUND OF THE INVENTION

‘Kepa’ is a product of a breeding and selection program
for outdoor pot mums (garden mums) which had the objec-
tive of creating new *Chrysanthemum* cultivars with a deco-
rative type flower, a natural season flower date around
September 8–13; blooming for a period of 5 weeks. The new
plant of the present invention comprises a new and distinct
cultivar of *Chrysanthemum* plant ‘Kepa’ is a seedling result-
ing from the open pollination among groups of *Chrysanthemum*
cultivars maintained under the control of the inventor
for breeding purposes. The new and distinct cultivar was
discovered and selected as one flowering plant by Mark
Roland Boeder on a cultivated field in Rijsenhout Holland in
September 2001. The plant has been asexually reproduced
by cuttings in greenhouses at Rijsenhout Holland. The new
cultivar has been found to retain its distinctive characteris-
tics 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 photo-
graphs of this type.

FIG. 1 shows a plant 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 *Chrysanthemum morifolium*. The observations
and measurements were gathered from plants grown out
door in Rijsenhout, Holland under natural day length and
temperature and planted in week 23 in 2002. The natural
blooming date of this crop was September 8–13 (week 37).
The average height of the plant was 35 cms. 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.

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From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Kepa’ is ‘Venus’ (U.S.
Plant patent application Ser. No. 10/316,939). When ‘Venus’
and ‘Kepa’ are being compared the following differences are
noticed: The differences of ‘Vensu’ and ‘Kepa’ are (1)
Number of ray florets. ‘Venus’ has a smaller number of ray
florets than ‘Kepa’. (2) Longitudinal axis of majority of ray
florets. This axis is in ‘Venus’ reflexing and in ‘Kepa’
straight.

The following is a description of the plant and character-
istics that distinguish ‘Kepa’ 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
description is: The Royal Horticultural Society Colour
Chart, edition 1995.

TABLE 1

Botanical Description of cultivar ‘Kepa’	
<u>Bud</u>	
Size	Small; cross-section 1 cm, height 0.6 cm
Outside Color	Yellow-green 145C
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Green 138B
<u>Bloom</u>	
Type	Decorative
Size	Medium
Fully Expanded	5 cm
Peduncle length	8 cm
Peduncle color	Green 13B
Number of blooms per branch	Approx. 10 blooms per branch
Performance on the plant	5 weeks
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length
Fragrance	Typical <i>chrysanthemum</i> , slightly
<u>Color</u>	
Center of the flower	Immature Red-purple 72A Mature Yellow 13A

TABLE 1-continued

Botanical Description of cultivar ‘Kepa’	
Color of upper surface of the ray-florets	Red-purple 58A
Color of the lower surface of the ray-florets	Red-purple 70A
Tonality from Distance	A garden mum with purple flowers
Color of the upper side of the ray florets after aging of the plant	Red-purple 58C
<u>Ray florets</u>	
Texture	Upper and under side smooth
Number	160–180
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	1 cm
Ray-floret margin	Entire
Ray-floret length	2.1 cm
Ray-floret width	0.8 cm
Ratio length/width	Medium
Shape of tip	Rounded
<u>Disc florets</u>	
Disc diameter	0.2 cm
Distribution of disc florets	Few, only visible in mature bloom
Shape	Tubular
Color	Yellow-green 145C
Receptacle shape	Domed raised
<u>Reproductive Organs</u>	
Stamen	Present only in disc florets
Stamen color	Yellow-green 144A
Pollen	Produced in small quantity
Pollen color	Yellow 7A
Styles	Thin
Style color	Yellow 13A
Style Length	3 mm
Stigma color	Yellow-green 144A
Stigma Width	1 mm
Ovaries	Enclosed in calyx
<u>Plant</u>	
Form	A garden mum outdoor mounded and round
Growth habit	Spreading
Growth rate	Intermediate
Height	35 cm
Width	38 cm
Stem Color	Yellow-green 147C
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin	Absent
Coloration	

TABLE 1-continued

Botanical Description of cultivar ‘Kepa’	
Intermode length	2.5 cm
Length of lateral branch	From top to bottom 16 cm
Lateral branch color	Yellow-green 147C
Lateral branch, attachment	Strong
Branching (average number of lateral branches)	Good with 6–7 breaks after pinching
Natural season blooming date	September 8–13
<u>Foliage</u>	
Leaf color	Upper side Green 139B Under side Green 139C
Color midvein	Upper side Yellow-green 147D Under side Yellow-green 148D
Size	Medium; length 5 cm, width 3 cm
Quantity (number per lateral branch)	20–25
Shape	Cordiform
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
Apex	Mucronate
Petiole length	0.8 cm
Petiole color	Yellow-green 147D

TABLE 2

<u>Differences with the comparison varieties</u>		
	‘Kepa’	‘Venus’
Number of ray florets	160–180	140–150
Longitudinal axis of majority of ray florets	Straight	Reflexing

I claim:

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

* * * * *



FIG. 1

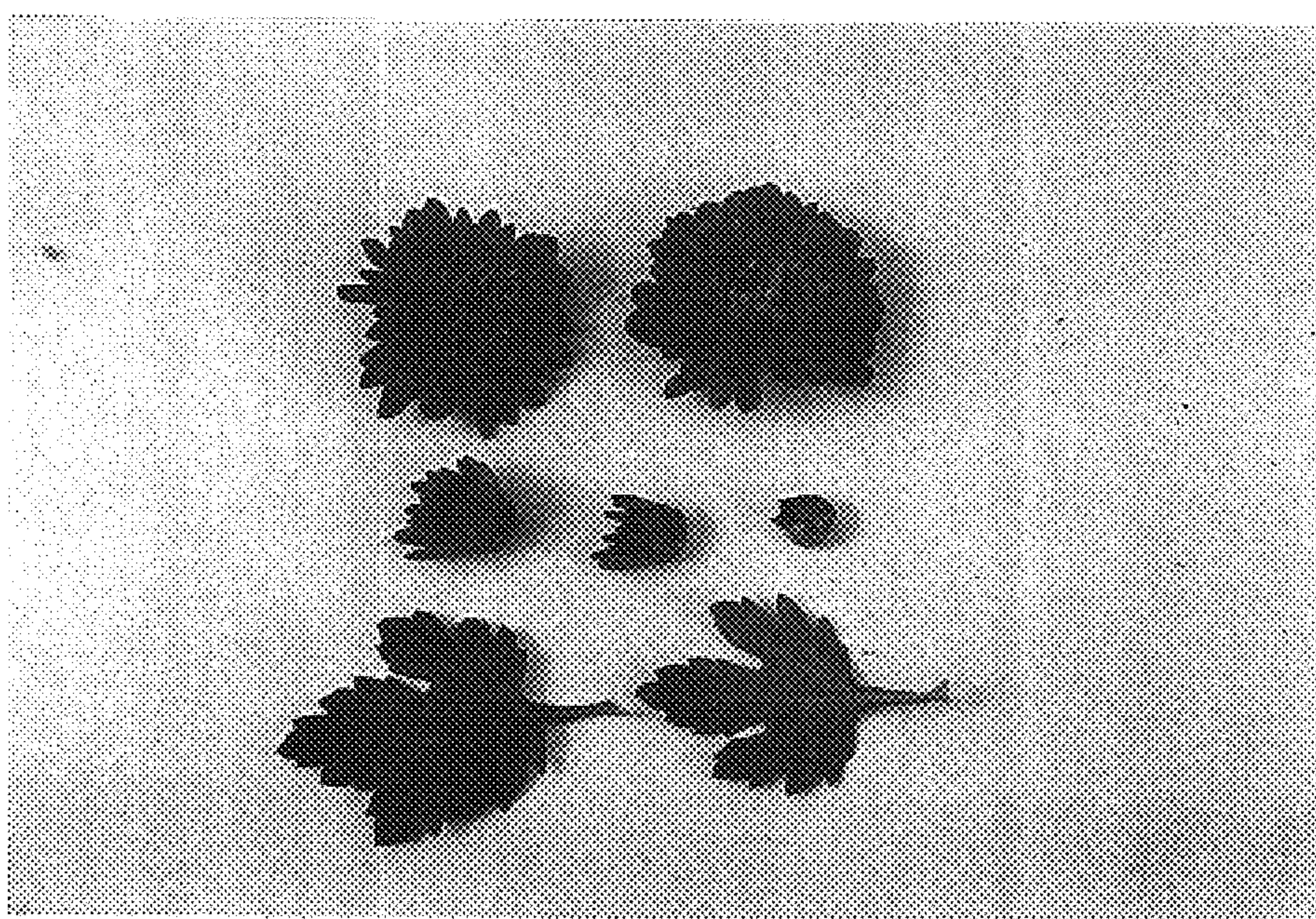


FIG. 2