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

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

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

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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 10 days.

(21) Appl. No.: **10/756,364**

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(51) **Int. Cl.⁷** **A01H 5/00**

(52) **U.S. Cl.** **Plt./292**

(58) **Field of Search** **Plt./292**

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(57) **ABSTRACT**

A *Chrysanthemum* plant named ‘Maia’ characterized by its
medium sized blooms with pink ray florets and prolific
branching, natural season flower date August 18–23, bloom-
ing for a period of 5 weeks.

2 Drawing Sheets

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BACKGROUND OF THE INVENTION

‘Maia’ 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
August 18–23, blooming for a period of 5 weeks. The new
plant of the present invention comprises a new and distinct
cultivar of *Chrysanthemum* plant ‘Maia’ 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
August 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

The 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 August 18–23 (week 34). The
average height of the plants was 35 cms. No growth retar-
dants 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 pink ray florets and a purple/yellow center
blooming for a period of 5 weeks. From the cultivar known
to inventor the most similar existing cultivar in comparison
to ‘Maia’ is ‘Cefreya’ (U.S. Plant patent application Ser. No.

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10/316,870). When ‘Cefreya’ and ‘Maia’ are being com-
pared the following differences are noticed. The differences
of ‘Cefreya’ and ‘Maia’ are (1) Color of bloom. ‘Cefreya’
has salmon-coral colored ray florets, while those of ‘Maia’
are dark pink. (2) Longitudinal axis of majority of ray
florets. The axis is reflexing to twisted in ‘Cefreya’, while it
is straight in ‘Maia’.

The following is a description of the plant and character-
istics that distinguish ‘Maia’ 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 ‘Maia’

<u>Bud</u>	
Size	Small; cross-section 0.8 cm, height 0.7 cm
Outside Color	Greyed-green 192A
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Greyed-green 194A
<u>Bloom</u>	
Type	Decorative
Size	medium
Fully Expanded	6 cm
Peduncle length	9 cm
Peduncle color	Green 138B
Number of blooms per branch	Approx. 9 blooms per branch
Performance on the plant	5 weeks
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance	Typical chrysanthemum, slightly
<u>Color</u>	
Center of the flower	Immature Red-purple 60B Mature Yellow 13A
Color of upper surface of the ray-florets	Red-purple 60D to Greyed-purple 186B
Color of the lower surface of the ray-florets	Greyed-purple 186D

TABLE 1-continued

Botanical Description of cultivar ‘Maia’	
Tonality from Distance	A garden mum with pink flowers
Color of upper surface ray florets at aging of the plant	Greyed-purple 186C
Ray florets	
Texture	Upper and under side smooth
Number	120–140
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.5 cm
Ray-floret margin	Entire
Ray-floret length	3.1 cm
Ray-floret width	0.8 cm
Ratio length/width	Medium
Shape of tip	Rounded
Disc florets	
Disc diameter	0.5 cm
Distribution of disc florets	Few, present only in mature stage
Shape	Tubular
Color	Yellow-green 145C
Receptacle shape	Conical raised
Reproductive Organs	
Stamen	Present in disc florets only
Stamen color	Yellow-green 144A
Pollen	Produced in small amount
Pollen color	Yellow 7A
Styles	Thick
Style color	Yellow 13A
Style Length	4 mm
Stigma color	Yellow-green 144A
Stigma Width	1 mm
Ovaries	Enclosed in calyx
Plant	
Form	A garden mum outdoor mounded and round
Growth habit	Spreading
Growth rate	High
Height	35 cm
Width	40 cm
Stem Color	Yellow-green 148B with streaks of Greyed-red 182B
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Present
Internode length	2.5 cm
Length of lateral branch	From top to bottom 18 cm

TABLE 1-continued

Botanical Description of cultivar ‘Maia’	
Lateral branch color	Yellow-green 147C with streaks of Greyed-red 182B
Lateral branch, attachment	Strong
Branching (average number of lateral branches)	Good with 10 breaks after pinching
Natural season blooming date	August 18–23
Foliage	
Leaf color	Upper side Green 138A Under side Green 138B
Color midvein	Upper side Yellow-green 145C Under side Yellow-green 147D
Size	Small; length 4.5 cm, width 2.8 cm
Quantity (number per lateral branch)	16–18
Shape	Obovate
Texture upper side	Glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrated
Shape of Base of Sinus	Rounded
Between Lateral Lobes	
Margin of Sinus Between Lateral Lobes	Diverging
Shape of Base	Obtuse
Apex	Mucronate
Petiole length	1 cm
Petiole color	Yellow-green 145C

TABLE 2

Differences with the comparison variety		
	‘Maia’	‘Cefreya’
Color of the upper surface of the ray florets	Red-purple 60D	Red 37B
Longitudunal axis of majority of ray florets	Straight	Reflexing to twisted

I claim:

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

* * * * *



FIG. 1

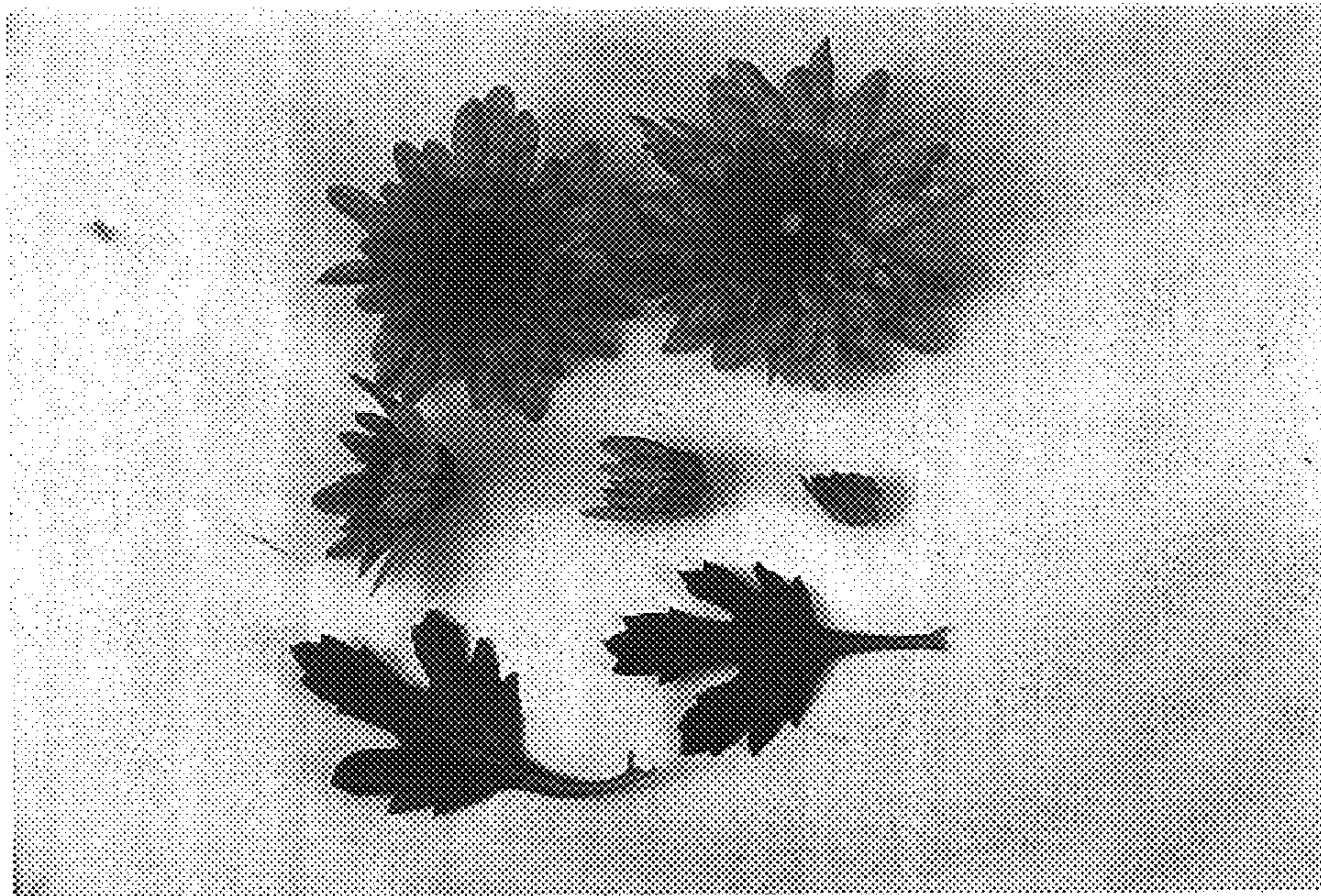


FIG. 2