



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

(10) **Patent No.:** **US PP27,068 P2**
(45) **Date of Patent:** **Aug. 16, 2016**

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

(50) Latin Name: *Chrysanthemum*×*morifolium*
Varietal Denomination: **FIMMDAYPI**

(71) Applicant: **Peter Wain**, Locks Heath (GB)

(72) Inventor: **Peter Wain**, Locks Heath (GB)

(73) Assignee: **Fides B.V.**, De Lier (NL)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 101 days.

(21) Appl. No.: **14/121,725**

(22) Filed: **Oct. 11, 2014**

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

(52) **U.S. Cl.**
USPC **Plt./267**

(58) **Field of Classification Search**
USPC Plt./287, 292, 291
See application file for complete search history.

Primary Examiner — June Hwu

(74) *Attorney, Agent, or Firm* — C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Chrysanthemum* plant named
‘Fimmdaypi’ characterized by its upright to outwardly
spreading and uniformly mounded plant habit; freely branch-
ing habit; dense and full plant habit; uniform and freely flow-
ering habit; medium-size decorative-type inflorescences with
dark pink-colored ray florets; early season-flowering habit;
and good garden performance.

1 Drawing Sheet

1

Botanical designation: *Chrysanthemum*×*morifolium*.
Cultivar denomination: ‘FIMMDAYPI’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct *Chry-
santhemum* plant, botanically known as *Chrysanthemum*×
morifolium, commercially grown as a garden *Chrysanthe-
mum* plant and hereinafter referred to by the name
‘Fimmdaypi’.

The new *Chrysanthemum* plant is a product of a planned
breeding program conducted by the Inventor in Fareham,
Hampshire, United Kingdom. The objective of the breeding
program is to create new early season-flowering garden *Chry-
santhemum* plants with numerous attractive inflorescences.

The new *Chrysanthemum* plant originated from a cross-
pollination made in January, 2009 by the Inventor in Fareham,
Hampshire, United Kingdom of a proprietary selection of
Chrysanthemum×*morifolium* identified as code number
92113, not patented, as the female, or seed, parent with a
proprietary selection of *Chrysanthemum*×*morifolium* identi-
fied as code number 82680, not patented, as the male, or
pollen, parent. The new *Chrysanthemum* plant was discov-
ered and selected by the Inventor as a single flowering plant
from within the progeny of the stated cross-pollination in a
controlled greenhouse environment in Fareham, Hampshire,
United Kingdom in September, 2009.

Asexual reproduction of the new *Chrysanthemum* plant by
terminal vegetative cuttings was first conducted in Fareham,
Hampshire, United Kingdom in December, 2009. Asexual
reproduction by terminal vegetative cuttings has shown that
the unique features of this new *Chrysanthemum* plant are
stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Chrysanthemum* have not been observed
under all possible combinations of environmental conditions
and cultural practices. The phenotype may vary somewhat

2

with variations in environmental conditions such as tempera-
ture, daylength and light intensity, without, however, any
variance in genotype.

The following traits have been repeatedly observed and are
determined to be the unique characteristics of ‘Fimmdaypi’.
These characteristics in combination distinguish ‘Fim-
mdaypi’ as a new and distinct garden *Chrysanthemum* plant:

1. Upright to outwardly spreading and uniformly mounded
plant habit.
2. Freely branching habit; dense and full plant habit.
3. Uniform and freely flowering habit.
4. Medium-size decorative-type inflorescences with dark
pink-colored ray florets.
5. Early season-flowering habit; grown under natural sea-
son conditions, plants flower in late August in the United
Kingdom.
6. Good garden performance.

Plants of the new *Chrysanthemum* can be compared to
plants of the female parent selection. Plants of the new *Chry-
santhemum* differ from plants of the female parent selection
in the following characteristics:

1. Grown under natural season conditions, plants of the
new *Chrysanthemum* flower earlier than plants of the
female parent selection.
2. Plants of the new *Chrysanthemum* have slightly smaller
inflorescences than plants of the female parent selection.
3. Plants of the new *Chrysanthemum* and the female parent
selection differ in ray floret color as plants of the female
parent selection have bronze-colored ray florets.

Plants of the new *Chrysanthemum* can be compared to
plants of the male parent selection. Plants of the new *Chry-
santhemum* differ from plants of the male parent selection, in
the following characteristics:

1. Grown under natural season conditions, plants of the
new *Chrysanthemum* flower slightly later than plants of
the male parent selection.
2. Plants of the new *Chrysanthemum* and the male parent
selection differ in ray floret color as plants of the male
parent selection have lighter pink-colored ray florets.

Plants of the new *Chrysanthemum* can be compared to plants of *Chrysanthemum*×*morifolium* ‘Pink Pamplona Jogger’, not patented. In side-by-side comparisons conducted in Fareham, Hampshire, United Kingdom, plants of the new *Chrysanthemum* differed from plants of ‘Pink Pamplona Jogger’ in the following characteristics:

1. Grown under natural season conditions, plants of the new *Chrysanthemum* flowered earlier than plants of ‘Pink Pamplona Jogger’.
2. Plants of the new *Chrysanthemum* had larger inflorescences than plants of ‘Pink Pamplona Jogger’.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph illustrates the overall appearance of the new *Chrysanthemum* plant showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Chrysanthemum* plant.

The photograph comprises a top perspective view of a typical flowering plant of ‘Fimmdaypi’ grown in a 19-cm container during the summer in a glass-covered greenhouse in De Lier, The Netherlands. Plants were grown under short day/long night conditions to induce inflorescence initiation and development. Plants were 3.5 months old when the photograph was taken.

DETAILED BOTANICAL DESCRIPTION

The following observations and measurements describe plants grown during the winter in 14-cm containers in a glass-covered greenhouse in Fareham, Hampshire, United Kingdom and under cultural practices typical of commercial garden *Chrysanthemum* production. During the production of the plants, day and night temperatures ranged from 17° C. to 21° C. and light levels averaged 6,000 lux. Plants were grown under long day/short night conditions for six weeks and then grown under short day/long night conditions to induce inflorescence initiation and development. Plants were twelve weeks old when the detailed description was taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Fifth Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Chrysanthemum*×*morifolium* ‘Fimmdaypi’.

Parentage:

Female, or seed, parent.—Proprietary selection of *Chrysanthemum*×*morifolium* identified as code number 92113, not patented.

Male, or pollen, parent.—Proprietary selection of *Chrysanthemum*×*morifolium* identified as code number 82680, not patented.

Propagation:

Type.—Terminal vegetative cuttings.

Time to initiate roots, summer.—About ten days at temperatures about 21° C.

Time to initiate roots, winter.—About twelve days at temperatures about 21° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures about 21° C.

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 21° C.

Root description.—Fine, fibrous; light brown in color.

Rooting habit.—Freely branching; medium density.

Plant description:

Plant and growth habit.—Herbaceous decorative-type garden *Chrysanthemum*; stems upright to outwardly spreading giving a uniformly mounded appearance to the plant; numerous lateral branches and relatively short internodes, dense and full plant habit; moderately vigorous growth habit.

Plant height.—About 23 cm.

Plant width.—About 24 cm.

Branching habit.—Freely branching habit; about 20 lateral branches develop after removal of terminal apex (pinching).

Lateral branches.—Length: About 5.5 cm. Diameter: About 3 mm. Internode length: About 5 mm. Strength: Strong. Aspect: About 45° from vertical; stems bending upwardly. Texture: Fine pubescence. Color: Close to 146D.

Leaf description:

Arrangement.—Alternate, simple.

Length.—About 4.5 cm.

Width.—About 4 cm.

Shape.—Palmately-lobed; roughly ovate with three to five lobes.

Apex.—Broadly mucronate to acuminate.

Base.—Attenuate to truncate.

Margin.—Palmately lobed, sinuses between lateral lobes divergent; dentate.

Texture, upper and lower surfaces.—Fine pubescence; slightly rough; veins prominent on lower surface.

Color.—Developing leaves, upper surface: Close to 137B. Developing leaves, lower surface: Close to 137C. Fully expanded leaves, upper surface: Close to N137A; venation, close to 147B. Fully expanded leaves, lower surface: Close to 147B; venation, close to 147B.

Petioles.—Length: About 1.3 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Fine pubescence; slightly rough. Color, upper and lower surfaces: Close to 147B.

Inflorescence description:

Form and flowering habit.—Decorative-type inflorescence form with ligulate-shaped ray florets; inflorescences borne on terminals above and beyond the foliar plane; disc and ray florets arranged acropetally on a capitulum; freely flowering habit with about 80 inflorescences developing per plant.

Fragrance.—Fragrant; pungent, herbaceous.

Flowering response.—Early season-flowering habit, plants exposed to natural season conditions begin flowering in late August in the United Kingdom.

Inflorescence longevity.—Inflorescences maintain good color and substance for about three to five weeks on the plant; inflorescences persistent.

Inflorescence buds.—Height: About 3 mm. Diameter: About 4 mm. Shape: Oblate. Color: Close to 147B.

Inflorescence diameter.—About 5 cm.

Inflorescence height.—About 1.5 cm.

Receptacles.—Height: About 3 mm. Diameter: About 4 mm. Shape: Ovate. Color: Close to 144D.

Ray florets.—Orientation: Initially upright, then about 110° from vertical. Length: About 2.5 cm. Width: About 7 mm. Shape: Ligulate. Apex: Emarginate and slightly dentate. Base: Fused into a short tube. Mar-

gin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Number of ray florets per inflorescence: About 153 arranged in about ten whorls. Color: When opening, upper surface: Close to 70A. When opening, lower surface: Close to 77C. Fully opened, 5 upper surface: Close to N79C; color becoming closer to 77B with development. Fully opened, lower surface: Close to 76A; color becoming closer to 77C with development.

Disc florets.—Disc floret development has not been 10 observed on plants of the new *Chrysanthemum*.

Phyllaries.—Number of phyllaries per inflorescence: About 18 arranged in about three whorls. Length: About 9 mm. Width: About 4 mm. Shape: Lanceolate. Apex: Obtuse. Base: Obtuse, fused. Margin: Entire. 15 Texture, upper surface: Smooth, glabrous; waxy. Texture, lower surface: Fine pubescence; waxy. Color, upper surface: Close to 138B. Color, lower surface: Close to 138C.

Peduncles.—Length, terminal peduncle: About 5 cm. 20 Diameter, terminal peduncle: About 1 mm. Angle:

About 50° from vertical. Strength: Moderately strong; flexible. Texture: Fine pubescence. Color: Close to 137B.

Reproductive organs.—Androecium: None observed. Gynoecium: Pistil length: About 6 mm. Stigma shape: Bi-parted. Stigma color: Close to 8B. Style length: About 4 mm. Style color: Close to 160C. Ovary color: Close to 157B.

Seeds and fruits.—Seed and fruit production has not been observed on plants of the new *Chrysanthemum*.

Disease & pest resistance: Resistance to pathogens and pests common to *Chrysanthemum* plants has not been observed on plants of the new *Chrysanthemum*.

Garden performance: Plants of the new *Chrysanthemum* have demonstrated good garden performance and to tolerate temperatures from about 0° C. to about 35° C.

It is claimed:

1. A new and distinct *Chrysanthemum* plant named 'Fimmdaypi' as illustrated and described.

* * * * *

