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

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(54) **LEUCANTHEMUM PLANT NAMED**
'LEUZ0003'

(50) Latin Name: *Leucanthemum maximum*
Varietal Denomination: **LEUZ0003**

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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 114 days.

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A01H 5/02 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./285**

CPC **A01H 5/02** (2013.01)

(58) **Field of Classification Search**

USPC **Plt./285**

See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Leucanthemum* plant named 'LEUZ0003', QZ PBR
20152511, published Feb. 15, 2016 (Year: 2016).*

* cited by examiner

Primary Examiner — Anne Marie Grunberg

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(57) **ABSTRACT**

A new *Leucanthemum* plant named 'LEUZ0003' character-
ised particularly as to novelty by the fact that it does not need
cold to flower, has abundant flowers on a compact, tidy
plant.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Leucanthemum maximum.

Varietal denomination: 'LEUZ0003'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new distinct cultivar of
Leucanthemum, botanically known as *Leucanthemum maxi-*
mum.

The new *Leucanthemum* is a product of a planned breed-
ing program conducted in Enkhuizen, The Netherlands. The
objective of the breeding program was to develop a new
Leucanthemum cultivar that is floriferous, single-flowering,
good flower quality and a good vigor that does not require
cold to flower.

The present cultivar originated from a cross made in 2006
of a *Leucanthemum* plant identified as 'F2772-5', not pat-
ented, as the female, or seed parent which has lighter color
of leaves, more branches, and shorter ray florets, with a
Leucanthemum plant identified as 'F2764-1', not patented,
as the male, or pollen parent which has a larger flower, less
branches, and smaller leaves.

The present cultivar was first asexually reproduced by
cuttings in Enkhuizen, The Netherlands, in September 2006.

The distinctive characters of this new *Leucanthemum* are
stable and reproduced true to type in successive generations
of asexual reproduction. It takes 10 to 14 weeks to produce
a finished plant, depending on the temperature and day-
length.

This new *Leucanthemum* plant is a perennial in all cli-
matical zones in the US.

DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawing shows typical
flower and foliage characteristics of 'LEUZ0003' with col-
ors being as true as possible with an illustration of this type.

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The photographic drawing shows in FIG. 1 a flowering
plant of the new variety, and in FIG. 2 a close-up of the
flowers.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinc-
tive characteristics of this new *Leucanthemum*. The data
which defines these characteristics were collected from
asexual reproductions carried out in Enkhuizen, The Neth-
erlands. The plant description was taken on 14 weeks old
plants, blossomed under natural light on the container field.
Color chart used: The Royal Horticultural Society Colour
Chart (R.H.S.), 2001.

'LEUZ0003' has not been made publicly available prior
to the effective filing date of this application, notwithstand-
ing any disclosure that may have been made less than one
year prior to the effective filing date of this application by
the inventor or another who obtained 'LEUZ0003' directly
from the inventor.

Natural flowering season at specified location(s): Under
Northern European conditions, 'LEUZ0003' flowers from
June until the end of September

The following traits distinguish 'LEUZ0003' as a new and
distinct cultivar:

The plant does not require cold to flower

The flowers are single

The flowers are abundant

Plants of the new *Leucanthemum* can be compared to
plants of 'LEUZ0001', U.S. Plant Pat. No. 23,426. In
side-by-side comparisons conducted by the inventor in
Enkhuizen, The Netherlands, the plants of the new *Leucan-*

themum differed from the plants of the cultivar 'LEUZ0001' in the following characteristics.

TABLE 1

Differences between the new cultivar 'LEUZ0003' and 'LEUZ0001'		
	'LEUZ0003'	'LEUZ0001'
Flower type:	Single flowering	Double flowering
Plant height:	Taller	Short
Leaf color:	Dark green	Light green

THE PLANT

Parentage:

Female parent.—'F2772-5', a genetic pool selection, not patented.

Male parent.—'F2764-1', a genetic pool selection, not patented.

Plant description:

Type cutting.—Terminal cuttings.

Time to initiate roots.—21 days at 20 degrees C.

Time to produce a rooted cutting.—4 weeks.

Root description.—Fine, fibrous and white in color.

Plant description:

General appearance.—Medium big plant with abundant flowers plant with dark leaves early to flower.

Branching habit.—Basal branching.

Plant height.—32 cm.

Plant spread.—21 cm.

Lateral branch description:

Length.—

Primary.—22 cm.

Secondary.—10 cm.

Diameter.—

Primary.—0.5 cm.

Secondary.—0.3 cm.

Texture.—Smooth, glabrous.

Internode length.—2 cm.

Color.—RHS 137B.

Foliage description.—

Arrangement.—Alternate.

Length, mature leaves.—10 cm.

Width, mature leaves.—3 cm.

Shape.—Lanceolate.

Apex.—Rounded to broadly acute.

Base.—Attenuate.

Aspect.—Arcuate.

Margin.—Dentate.

Pubescence.—

Upper surface.—Lightly pubescent.

Lower surface.—Lightly Pubescent.

Texture.—Smooth, glabrous.

Color young foliage, upper surface.—RHS 137B.

Color young foliage, lower surface.—RHS 137C.

Fully expanded foliage, upper surface.—RHS 137A.

Fully expanded foliage, lower surface.—RHS 138A.

Petiole.—Absent.

Veins, venation type.—Pinnate.

Veins, color upper surface.—143B.

Veins, color lower surface.—143D.

Inflorescence:

Bud (described before color developed).—

Bud shape.—Spherical.

Bud diameter.—1.2 cm.

Bud length.—0.6 cm.

Bud color.—RHS 137B.

Appearance.—

Form.—Actinomorphic.

Inflorescence position.—Terminal.

Disc and ray floret arrangement.—Acropetally on a capitulum.

Number of inflorescences per plant.—65.

Lasting quality per flower.—12 days.

Fragrance.—None.

Size.—

Diameter.—First flowers: 12 cm. Last flowers: 7 cm.

Height.—2 cm.

Diameter of disc.—3 cm.

Ray florets.—

Length.—3.5 cm.

Width.—0.9 cm.

Shape.—Oblanceolate.

Apex.—Tridentate.

Base.—Cuneate.

Margin.—Entire.

Texture (both upper and lower surfaces).—Smooth, glabrous.

Number per inflorescence.—36.

Color, when opening.—Upper surface: RHS 157B.

Lower surface: RHS 157B.

Colour fully opened.—Upper surface: RHS 157D.

Lower surface: RHS 157C.

Disc florets.—

Length.—0.9 cm.

Width.—0.15 cm.

Shape.—Elliptic.

Number per inflorescence.—350.

Color.—Immature: Apex: RHS 7B. Margin: RHS 154C.

Mature.—Apex: RHS 13C. Margin: RHS 7C.

Phyllaries.—

Length.—1.0 cm.

Width.—0.3 cm.

Shape.—Elliptic.

Apex.—Obtuse.

Margin.—Entire.

Number per inflorescence.—40.

Arrangement.—Imbricate whorls.

Texture (both upper and lower surfaces).—Smooth and glabrous with light pubescence present.

Color.—Upper surface: RHS 138C. Lower surface: RHS 138B.

Peduncle.—

Length.—6 cm.

Diameter.—0.3 cm.

Aspect.—Upright.

Texture.—Light pubescence present.

Color.—RHS 137B.

Reproductive organs:

Androecium.—

Presence.—On disc florets only.

Number (per floret).—1.

Filament length.—0.2 cm.

Filament color.—RHS 5A.

Anthers.—Shape: Oblong. Length: 0.1 cm. Color: RHS 8A.

Pollen.—Color: RHS 8A. Amount (generally): Moderate.

Gynoecium.—

Presence.—On disc and ray florets.

Pistils.—Number: 1. Length: 0.6 cm.

Style.—Length: 0.4 cm. Color: RHS 154C.

Stigma.—Shape: Bi-lobed. Color: RHS 7B.

Seeds.—None observed.

Disease resistance.—No resistance or susceptibility observed.

Temperature tolerance.—Cold tolerance to -20 degrees C.; Heat tolerance to 35 degrees C.

Drought tolerance.—Not drought tolerant.

What is claimed is:

1. A new and distinct cultivar of *Leucanthemum* plant named 'LEUZ0003', as substantially illustrated and described herein.

* * * * *



FIGURE 1



FIGURE 2