



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

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(54) **OSTEOSPERMUM PLANT NAMED**
‘DUETISWEWI’

(50) Latin Name: *Osteospermum ecklonis*
Varietal Denomination: **Duetiswewi**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.**
USPC **Plt./360**

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(57) **ABSTRACT**

A new and distinct cultivar of *Osteospermum* plant named
‘Duetiswewi’, characterized by its compact, upright and
mounded plant habit; freely branching growth habit; dense
and bushy plant form; early and freely flowering habit; and
daisy-type inflorescences with elongated oblong-shaped ray
florets that white in color.

1 Drawing Sheet

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Botanical designation: *Osteospermum ecklonis*.
Cultivar denomination: ‘DUETISWEWI’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Osteospermum* plant, botanically known as *Osteospermum*
ecklonis and hereinafter referred to by the name ‘Duet-
iswewi’.

The new *Osteospermum* plant is a product of a planned
breeding program conducted by the Inventor in Rheinberg,
Germany. The objective of the program is to create and
develop new compact *Osteospermum* plants with uniformly
mounded plant habit and numerous attractive inflorescences.

The new *Osteospermum* plant originated from a cross-
pollination conducted by the Inventor in July, 2008 of a pro-
prietary selection of *Osteospermum ecklonis* identified as
code number Q05-7909-501, not patented, as the female, or
seed, parent with a proprietary selection of *Osteospermum*
ecklonis identified as code number Q07-7964-004, not pat-
ented, as the male, or pollen, parent. The new *Osteospermum*
plant was discovered 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 Rhei-
nberg, Germany in May, 2011.

Asexual reproduction of the new *Osteospermum* plant by
terminal cuttings in a controlled environment in Rheinberg,
Germany since June, 2011 has shown that the unique features
of this new *Osteospermum* plant are stable and reproduced
true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Osteospermum* have not been observed
under all possible environmental conditions and cultural
practices. The phenotype may vary somewhat with variations
in environmental conditions such as temperature and light
intensity, without, however, any variance in genotype.

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The following traits have been repeatedly observed and are
determined to be the unique characteristics of ‘Duetiswewi’.
These characteristics in combination distinguish ‘Duet-
iswewi’ as a new and distinct *Osteospermum* plant:

1. Compact, upright and mounded plant habit.
2. Freely branching growth habit; dense and bushy plant
form.
3. Early and freely flowering habit.
4. Daisy-type inflorescences with elongated oblong-
shaped ray florets that are white in color.

In side-by-side comparisons conducted in Rheinberg, Ger-
many, plants of the new *Osteospermum* differ primarily from
plants of the female parent selection in ray floret color as ray
florets of plants of the female parent selection are white and
pink in color.

In side-by-side comparisons conducted in Rheinberg, Ger-
many, plants of the new *Osteospermum* differ primarily from
plants of the male parent selection in ray floret color as ray
florets of plants of male parent selection are pink in color.

Plants of the new *Osteospermum* can be compared to plants
of the *Osteospermum ecklonis* ‘Cape Daisy Kalanga White’,
not patented. In side-by-side comparisons, plants of the new
Osteospermum differed primarily from plants of ‘Cape Daisy
Kalanga White’ in the following characteristics:

1. Plants of the new *Osteospermum* had longer internodes
than plants of ‘Cape Daisy Kalanga White’.
2. Inflorescences of plants of the new *Osteospermum* had
more disc florets than inflorescences of plants of ‘Cape
Daisy Kalanga White’.
3. Plants of the new *Osteospermum* had longer peduncles
than plants of ‘Cape Daisy Kalanga White’.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph illustrates the overall
appearance of the new *Osteospermum* plant showing the col-
ors 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 *Osteospermum* plant.

The photograph comprises a side perspective view of a typical flowering plant of 'Duetiswewi' grown in a container. 5

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph, following observations and measurements describe plants grown during the spring in 12-cm containers in a glass-covered greenhouse in Rhein-berg, Germany and under cultural practices typically used in commercial *Osteospermum* production. During the produc-10
tion of the plants, day and night temperatures averaged 18° C. and light levels averaged 4,500 lux. Measurements and numerical values represent averages for typical flowering plants. Plants were pinched one time about three weeks after planting and were 13 weeks old when the photograph and description were taken. In the following description, color 20
references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Osteospermum ecklonis* 'Duet-
iswewi'. 25

Parentage:

Female, or seed, parent.—Proprietary selection of *Osteospermum ecklonis* identified as code number Q05-7909-501, not patented.

Male, or pollen, parent.—Proprietary selection of *Osteospermum ecklonis*, identified as code number Q07-7964-004, not patented. 30

Propagation:

Type.—Terminal vegetative cuttings.

Time to initiate roots, summer.—About five days at tem- 35
peratures about 20° C.

Time to initiate roots, winter.—About seven days at temperatures about 20° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures about 20° C. 40

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 20° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Compact, upright and 45
mounded plant habit; upright inflorescences positioned above the foliar plane; freely branching habit with about six lateral branches developing per plant; pinching enhances lateral branch development; dense 50
and bushy plant form; and moderately vigorous growth habit.

Plant height.—About 15 cm.

Plant diameter.—About 14 cm.

Lateral branches.—Length: About 16.4 cm. Diameter: 55
About 4.3 mm. Internode length: About 1.4 cm. Strength: Strong. Texture: Smooth, glabrous. Color: Close to 144B.

Foliage description.—Arrangement: Alternate, simple. Length: About 4.1 cm. Width: About 2.2 cm. Shape: 60
Roughly spatulate. Apex: Acute. Base: Attenuate. Margin: Dentate. Texture, upper and lower surfaces: Pubescent; leathery. Venation pattern: Pinnate. Color: Developing leaves, upper surface: Close to 137B. Developing leaves, lower surface: Close to 144A. 65
Fully expanded leaves, upper surface: Close to 137A;

venation, close to 144B. Fully expanded leaves, lower surface: Close to 137B; venation, close to 144B. Peti-
oles: Length: About 7.4 mm. Diameter: About 3.8 mm. Texture, upper and lower surfaces: Smooth, gla-
brous. Color, upper surface: Close to 144B. Color, lower surface: Close to 144A.

Inflorescence description:

Appearance and flowering habit.—Daisy-type inflores-
cence form with elongated oblong-shaped ray florets; inflorescences mostly flat and are positioned above the foliar plane on strong peduncles; disc and ray florets developing acropetally on a capitulum; inflo-
rescences face mostly upright; freely flowering habit with about 46 inflorescences developing per plant.

Fragrance.—None detected.

Natural flowering season and flowering response.—In Germany, plants of the new *Osteospermum* flower continuously during the spring and summer; early flowering habit, plants begin flowering about six weeks after planting.

Flower longevity.—Inflorescences last about three days on the plant; inflorescences not persistent.

Inflorescence buds.—Height: About 2.2 mm. Diameter: About 9.6 mm. Shape: Ovoid. Color: Close to 137B and 154B.

Inflorescence size.—Diameter: About 5.2 cm. Depth (height): About 2.8 cm. Disc diameter: About 7 mm. Receptacle diameter: About 4.2 mm. Receptacle height: About 3.3 mm.

Ray florets.—Quantity and arrangement: About 14 to 15 per inflorescence arranged in a single whorl. Length: About 2.6 cm. Width: About 6.7 mm. Shape: Elongated oblong. Apex: Emarginate. Base: Obtuse. Mar-
gin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening and fully opened, upper surface: Close to 155C; color does not change with development. When opening and fully opened, lower surface: Longitudinal stripes, close to 97B and 144A.

Disc florets.—Quantity and arrangement: About 29 per inflorescence massed at the center of the receptacle. Length: About 6 mm. Diameter, apex: About 1 mm. Diameter, base: About 0.8 mm. Shape: Tubular; apex dentate, five-pointed. Color: Towards the apex, close to 90A; towards the base, close to 1D.

Phyllaries.—Quantity per inflorescence: About 14 to 15. Length: About 8.2 mm. Width: About 1 mm to 2 mm. Shape: Lanceolate. Apex: Apiculate. Base: Acute. Margin: Entire. Texture, upper and lower sur-
faces: Smooth, glabrous; leathery. Color, upper and lower surfaces: Close to 137C.

Peduncles.—Length: About 6.1 cm. Diameter: About 3 mm. Strength: Strong. Aspect: Mostly upright. Tex-
ture: Smooth, glabrous; leathery. Color: Close to 144A.

Reproductive organs.—Androecium: Present on disc florets only. Anther shape: Oval. Anther length: About 2 mm. Anther color: Close to 97A. Pollen amount: Abundant. Pollen color: Close to 17A. Gynoecium: Present on both ray and disc florets. Pistil length: About 7.2 mm. Stigma shape: Crested. Stigma color: Close to 79A. Style length: About 3 mm. Style color: Close to 79A. Ovary color: Close to 144C.

Seeds.—Length: About 6.5 mm. Diameter: About 3 mm. Color: Close to 200A.

Disease & pest resistance: Plants of the new *Osteospermum* have not been shown to be resistant to pathogens and pests common to *Osteospermum* plants.
Temperature tolerance: Plants of the new *Osteospermum* have been observed to tolerate temperatures ranging from 5 about 5° C. to about 35° C.

It is claimed:
1. A new and distinct *Osteospermum* plant named ‘Duet-iswewi’ as illustrated and described.

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