



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

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

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

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

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Osteospermum* cultivar named ‘DOS-
TICWHTB’ is disclosed, characterized by spreading growth
habit, good garden performance during summer and large
white flowers with purple eye. The new variety is an
Osteospermum, normally produced as an outdoor garden or
container plant.

2 Drawing Sheets

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Latin name of the genus and species: *Osteospermum*
ecklonis.

Variety denomination: ‘DOSTICWHTB’.

BACKGROUND OF THE INVENTION

The new *Osteospermum* cultivar is a product of a planned
breeding program conducted by the inventor, Gavriel Dan-
ziger, in Moshav Mishmar Hashiva, Israel. The objective of
the breeding program was to produce new *Osteospermum*
varieties for ornamental commercial applications. The open
pollination resulting in this new variety was made during
January of 2011.

The seed parent is the unpatented, proprietary variety
referred to as *Osteospermum* ‘OS-11-2010’. The pollen
parent is unknown as it was an open pollination breeding
program. The new variety was discovered in March of 2012
by the inventor in a group of seedlings resulting from the
2011 crossing, in a research greenhouse in Moshav Mishmar
Hashiva, Israel.

Asexual reproduction of the new cultivar was performed
by vegetative cuttings. This was first performed at a research
greenhouse in Moshav Mishmar Hashiva, Israel in April of
2012 and has shown that the unique features of this cultivar
are stable and reproduced true to type in more than 10
successive generations.

SUMMARY OF THE INVENTION

The cultivar ‘DOSTICWHTB’ has not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment such as
temperature, day length, and light intensity, without, how-
ever, any variance in genotype.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘DOS-

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TICWHTB’ These characteristics in combination distin-
guish ‘DOSTICWHTB’ as a new and distinct *Osteosper-*
mum cultivar:

1. Large white flowers with purple eye.
2. Trailing growth habit.
3. Good garden performance during the summer.

Plants of the new cultivar ‘DOSTICWHTB’ are similar to
plants of the seed parent, *Osteospermum* ‘OS-11-2010’ in
most horticultural characteristics, however, plants of the
new cultivar ‘DOSTICWHTB’ differ in the following:

1. Plant habit is more trailing.
2. Tends to blush under low temperatures. The seed parent
does not.

COMMERCIAL COMPARISON

Plants of the new cultivar ‘DOSTICWHTB’ are compa-
rable to the unpatented commercial variety *Osteospermum*
‘Astra White’. The two *Osteospermum* varieties are similar
in most horticultural characteristics; however, the new vari-
ety ‘DOSTICWHTB’ differs in the following:

1. Much larger flowers.
2. Flowers later.
3. Trailing growth. The comparator growth is erect and
compact.

Plants of the new cultivar ‘DOSTICWHTB’ are compa-
rable to the commercial variety *Osteospermum* ‘DOSTICP-
WHT’, having application Ser. No. 14/545,172. The two
Osteospermum varieties are similar in most horticultural
characteristics; however, the new variety ‘DOSTICWHTB’
differs in the following:

1. Plants of ‘DOSTICWHTB’ are somewhat larger than
plants of ‘DOSTICPWHT’.
2. Mature disc florets of ‘DOSTICWHTB’ are Violet-Blue
and White compared to White and Purple disc florets of
‘DOSTICPWHT’.

3. Foliage of 'DOSTICWHTB' is on average larger than foliage of 'DOSTICPWHT'.
 4. Flowers of 'DOSTICWHTB' are on average smaller than flowers of 'DOSTICPWHT'

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full color a typical plant of 'DOSTICWHTB' grown outdoors, in a 12 cm pot. Age of the plant photographed is approximately 12 weeks from a rooted cutting.

FIG. 2 illustrates a close up of a flower.

The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Mini Colour Chart 2001 except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 'DOSTICWHTB' plants grown in the Autumn and Winter, in a greenhouse, in Moshav Mishmar Hashiva, Israel. The growing temperature ranged from 15° C. to 26° C. during the day and from 7° C. to 13° C. during the night. General light conditions are bright, normal sunlight. Measurements and numerical values represent averages of typical plant types.
 Botanical classification: *Osteospermum* 'DOSTICWHTB'.

PROPAGATION

Time to rooting: 14 days at approximately 18-22° C.
 Root description: Fibrous.

PLANT

Age of plant described: Approximately 100 days from a rooted cutting.
 Growth habit: Spreading.
 Height: Approximately 20 cm.
 Plant spread: Approximately 50 cm.
 Growth rate: Moderate growth rate.
 Branching characteristics: Freely branching.
 Length of lateral branches: Approximately 23 cm.
 Diameter of lateral branches: Approximately 1.0 cm.
 Texture of lateral branches: Glabrous.
 Internode length: Approximately 0.8 cm.
 Strength of lateral branches: Flexible.
 Color of lateral branches: Near RHS Yellow-green group 145 C.
 Aspect/angle of branches: 30°.
 Number of leaves per lateral branch: Approximately 70.

FOLIAGE

Leaf:

Arrangement.—Opposite.
Average length.—Approximately 7 cm.
Average width.—Approximately 2.3 cm.
Shape of blade.—Oblanceolate.
Apex.—Acute.
Base.—Cuneate.
Attachment.—Absent.

Margin.—Serrate.

Texture of top surface.—Glabrous, leathery.

Texture of bottom surface.—Glabrous.

Appearance top surface.—Shiny.

Appearance bottom surface.—Matte.

Leaf internode length.—Approximately 0.5 cm.

Color.—Young foliage upper side: Near RHS Green 137 A. Young foliage under side: Near RHS Green 137 C. Mature foliage upper side: Near RHS Green N137 A. Mature foliage under side: Near RHS Green 137 C.

Venation.—Type: Pinnate, the main vein is visible, secondary veins are too minute to see. Venation color upper side: Near RHS Green 142 A. Venation color under side: Near RHS Yellow-green 144 D.

Petiole: Absent.

FLOWER

Bud:

Bud shape.—Oblate.

Bud length.—Approximately 1 cm.

Bud diameter.—Approximately 1 cm.

Bud color.—Near RHS Yellow-green 144 C.

Inflorescence:

Form.—Daisy-type inflorescence form with oblanceolate-shaped ray florets. Inflorescences positioned above and beyond the foliage; inflorescences terminal and axillary. Disc and ray florets developing acropetally on a capitulum. Inflorescences face mostly upright to outward.

Flower:

Diameter of entire flower.—Approximately 8 cm.

Depth of flower.—Approximately 0.4 cm.

Width of disc.—Approximately 1.3 cm.

Depth of disc.—Approximately 0.5 cm.

Receptacle diameter.—1 cm.

Receptacle height.—0.5 cm.

Ray florets:

Number of ray florets.—Avg. 24.

Length.—Approximately 3.5 cm.

Width.—Approximately 1 cm.

Apex shape.—Acute.

Margin.—Entire.

Color:

Ray florets.—Upper surface at first opening: Near RHS White NN155 C. Upper surface at maturity: Near RHS White NN155 D. Upper surface at fading: Near RHS Red-purple 69 D. Under surface at first opening: Near RHS Purple-violet N80 C. Under surface at maturity: Near RHS Purple 76 C. With vine Near RHS Greyed-green 188 C. Under surface at fading: Near RHS Purple 76 A.

Disc florets.—Number of Disc Florets: Average 140. Length: Approximately 0.6 cm. Width: Approximately 0.1 cm. Shape: Bell shaped — campanulate. Margin: Entire. At first opening: Near RHS White 155 B and Violet-blue 93 A. At maturity: Near RHS Violet-blue N92 B and White 155 B. At fading: Near RHS Yellow 13 A.

Fragrance: None.

Phyllaries:

Number.—Approximately 19.

Length.—Approximately 1.1 cm.

Width.—Approximately 0.2 cm.

Shape.—Ligulate.
Texture.—Rough.
Apex shape.—Acuminate.
Margin.—Entire.
Color.—Near RHS Yellow-green 146 A. 5
Peduncle:
Peduncle length.—Approximately 3 cm.
Peduncle diameter.—Approximately 0.2 cm.
Angle.—Approximately 0° from center of whorl.
Color.—Near RHS Yellow-green 147 B. 10
Peduncle texture.—Pubescent.

REPRODUCTIVE ORGANS

Disc florets: 15
Androecium.—Stamens: 120-140. Anther shape: Ellip-
tical. Anther length: Approximately 0.4 cm. Anther
color: Near RHS Red-purple 72 A. Pollen quantity:
Abundant.
Gynoecium.—Not present. Pistils in disc flowers are 20
degenerated and non-functional.
Ray florets:
Androecium.—Not present. Stamens in ray flowers are
degenerated and non-functional.
Gynoecium.—Pistil number: One pistil per ray floret — 25
Approximately — 26. Pistil shape: Needle shape.
Pistil length: Approx. 0.3 cm. Style length: Approx.

0.1 cm. Style color: Near RHS Purple 76 C. Stigma
shape: Bipartite. Stigma color: Near RHS Purple 79
D. Ovary diameter: 0.1 cm. Ovary color: Near RHS
Yellow-green 150 B.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to
normal diseases and pests of *Osteospermum* have been
observed. Typical diseases of *Osteospermum* include:
Botrytis, *Pythium*, *Phytophthora*, *Rhizoctonia*. Typical
pests found in *Osteospermum* include various species of
Aphid, Fungus Gnats and Thrips.
Drought tolerance and cold tolerance: Good tolerance for
heat, to at least 40° C. Drought tolerant.
Fruit/seed production: Seed set has been observed. Fruit is
a seed-like achene.
Shape.—Elliptic.
Color.—Near RHS Grey-Brown N199 B.
Size.—Length: 0.5 cm. Diameter: 0.15 cm.

What is claimed is:
1. A new and distinct cultivar of *Osteospermum* plant
named ‘DOSTICWHTB’ as herein illustrated and described.
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Fig. 1



Fig. 2