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Dittmar

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(54) **SANVITALIA PLANT NAMED 'DITTSUN'**

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patent is extended or adjusted under 35
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(57) **ABSTRACT**

A new and distinct cultivar of *Sanvitalia* plant named
'Dittsun', characterized by its compact, low mounded and
outwardly spreading plant habit; freely branching habit and
short internodes, dense and bushy plants; dark green foliage;
freely flowering habit with flowers held just above and
beyond the foliage; and single daisy inflorescence form with
yellow-colored ray florets.

1 Drawing Sheet

1

Botanical classification/cultivar denomination: *Sanvitalia*
speciosa cultivar Dittsun.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Sanvitalia* plant, botanically known as *Sanvitalia speciosa*
and hereinafter referred to by the cultivar name 'Dittsun'.

The new *Sanvitalia* is a product of a planned breeding
program conducted by the Inventor in Deitingen, Switzer-
land. The objective of the program is to create and develop
new compact *Sanvitalia* cultivars with numerous inflores-
cences and attractive ray floret coloration.

The new *Sanvitalia* originated from a self-pollination by
the Inventor of the *Sanvitalia speciosa* cultivar *Aztekengold*,
not patented. The new *Sanvitalia* was discovered and
selected by the Inventor as a plant within the progeny of the
stated self-pollination in a controlled environment in
Deitingen, Switzerland in 1997. The selection of the new
Sanvitalia was based on its compact and freely flowering
habit.

Asexual reproduction of the new *Sanvitalia* by terminal
cuttings taken in a controlled environment in Deitingen,
Switzerland since 1997, has shown that the unique features
of this new *Sanvitalia* are stable and reproduced true to type
in successive generations.

SUMMARY OF THE INVENTION

The new *Sanvitalia* has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture and light intensity without, however, any variance in
genotype.

The following characteristics have been repeatedly
observed and are determined to be basic characteristics of
'Dittsun' and distinguish the new *Sanvitalia* as a new and
distinct cultivar:

1. Compact, low mounded and outwardly spreading plant habit.
2. Freely branching habit and short internodes, dense and bushy plants.
3. Dark green foliage.

2

4. Freely flowering habit with flowers held just above and
beyond the foliage.

5. Single daisy inflorescence form with yellow-colored
ray florets.

5 Plants of the new *Sanvitalia* are most similar to plants of
the parent, the cultivar *Aztekengold*. In side-by-side com-
parisons conducted in Deitingen, Switzerland, plants of the
new *Sanvitalia* differed from plants of the cultivar *Aztek-*
engold in the following characteristics:

- 10 1. Plants of the new *Sanvitalia* were more compact than
plants of the cultivar *Aztekengold*.
2. Plants of the new *Sanvitalia* had shorter internodes than
plants of the cultivar *Aztekengold*.
- 15 3. Plants of the new *Sanvitalia* had tighter inflorescences
(less open form) than plants of the cultivar *Azteken-*
gold.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

20 The accompanying colored photographs illustrate the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions of this type. Colors in the photographs may differ
slightly from the color values cited in the detailed botanical
description which accurately describe the colors of the new
Sanvitalia.

The photograph at the top of the sheet comprises a side
perspective view of three typical flowering plants of
30 'Dittsun' grown in a 20-cm container.

The photograph at the bottom of the sheet comprises a
close-up view of typical leaves, an inflorescence bud, a
developing inflorescence, and fully opened inflorescences of
'Dittsun'.

DETAILED BOTANICAL DESCRIPTION

35 The aforementioned photographs, following observations
and averaged measurements describe plants grown in
Bonsall, Calif., in an outdoor nursery under full sunlight
during the spring with day temperatures ranging from 18 to
40 35° C. and night temperatures ranging from 7 to 18° C.
Plants were grown for about 12 weeks in 20-cm containers
with three plants per container. Plants were pinched one
time. Color references are made to The Royal Horticultural

Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Sanvitalia speciosa* cultivar Dittsun.

Parentage: Self-pollination of *Sanvitalia speciosa* cultivar Aztekengold, not patented.

Propagation:

Type.—Terminal vegetative cuttings.

Time to initiate roots.—Summer: About 14 days at 20 to 22° C. Winter: About 18 days at 20 to 22° C.

Time to produce a rooted cutting.—Summer: About 21 days at 18 to 20° C. Winter: About 25 days at 18 to 20° C.

Root description.—Fine; white in color.

Plant description:

General appearance.—Compact, low mounded, and outwardly spreading plant form with dense foliage and inflorescences held just above and beyond the foliage. Moderately vigorous growth habit.

Plant height.—About 18 cm.

Plant width, per plant.—About 26 cm.

Lateral branch description.—Quantity per plant: Freely branching, about 14 lateral branches. Length: About 30 cm. Diameter: About 3 mm. Internode length: About 3 cm. Aspect: Outwardly spreading. Texture: Slightly pubescent. Color: 144D overlain with close to 187A.

Foliage description.—Arrangement: Opposite, simple; sessile. Length: About 2.2 cm. Width: About 7 mm. Shape: Elliptic. Apex: Acute. Base: Clasping. Margin: Entire; deeply and finely incised. Texture, upper surface: Slightly coarse; towards apex, pubescent. Texture, lower surface: Smooth, glabrous. Venation pattern: Pinnate. Color: Young and fully expanded foliage, upper surface: 147A. Young and fully expanded foliage, lower surface: 147B. Venation, upper surface: 144D. Venation, lower surface: 147B.

Inflorescence description:

Appearance.—Single daisy composite inflorescence form with ligulate ray florets. Disc and ray florets arranged acropetally on a capitulum. Inflorescences held upright on terminal and axillary peduncles. Inflorescences upright to outward and perpendicular to the peduncles. Inflorescences persistent. Inflorescences not fragrant.

Flowering response.—Under natural conditions, plant flower continuously from April to October.

Inflorescence longevity.—Inflorescences last about seven to ten days on the plant.

Quantity of inflorescences.—Freely flowering, about 18 buds and inflorescences per lateral branch.

Inflorescence size.—Diameter: About 1.3 cm. Depth (height): About 5 mm. Diameter of disc: About 6 mm.

Inflorescence buds, at stage of showing color.—Height: About 4 mm. Diameter: About 7 mm. Shape: Oblate. Color: 144C.

Ray florets.—Quantity per inflorescence: About 13 arranged in a single whorl. Shape: Ligulate. Length: About 5 mm. Width: About 2 mm. Apex: Slightly emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Aspect: Initially upright and cupped; when mature, about 90° from vertical. Color: When opening and fully opened, upper surface: 14B. When opening and fully opened, lower surface: 14C with longitudinally streaks, 144C.

Disc florets.—Arrangement: Massed at the center of the inflorescence. Quantity per inflorescence: About 100. Shape: Tubular, five-parted at apex; apex, acute; base, fused. Length: About 2 mm. Diameter, apex: About 1 mm. Diameter, base: Less than 1 mm. Color: Immature: 144B. Mature, apex and mid-section: 145C. Mature, base: 145D.

Involucral bracts (phyllaries).—Quantity per inflorescence: About five. Length: About 4 mm. Width: About 4 mm. Shape: Elliptic. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Glabrous, slightly rough. Color: Upper surface: 146C. Lower surface: 146B.

Peduncle.—Strength: Strong. Aspect: Upright to about 30° from vertical. Length: About 1 cm. Diameter: About 1.5 mm. Texture: Slightly pubescent. Color: 146B overlain with close to 187A.

Reproductive organs.—Androecium: Present on disc florets only. Quantity per floret: Five. Anther shape: Oblong. Anther length: Less than 1 mm. Anther color: 22B. Amount of pollen: Scarce. Pollen color: 22B. Gynoecium: Quantity per floret: One. Pistil length: About 2 mm. Stigma shape: Two-parted. Stigma color: 145A. Style length: About 1 mm. Style color: 145A. Ovary color: 145D. Seed/fruit: Seed and fruit production has not been observed.

Disease/pest resistance: Resistance to pathogens and pests common to *Sanvitalias* has not been observed on plants grown under commercial conditions.

Temperature/weather tolerance: Plants of the new *Sanvitalia* have been observed to be tolerant to rain, wind and to temperatures from 2 to 35° C.

It is claimed:

1. A new and distinct cultivar of *Sanvitalia* plant named 'Dittsun', as illustrated and described.

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