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Wicki-Freidl

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(54) **BIDENS PLANT NAMED ‘PETERS
GOLDTEPPICH’**

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patent is extended or adjusted under 35
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(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./263**

(58) **Field of Search** **Plt./263**

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,261 P * 3/2000 Theobald **Plt./263**

OTHER PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI JOUVE
retrieval software 2000/04, citations for ‘Peters Goldtep-
pich’ Aug. 2000.*

* cited by examiner

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(57) **ABSTRACT**

A distinct cultivar of Bidens plant named ‘Peters
Goldteppich’, characterized by its low-growing and cascad-
ing plant habit; freely branching, dense and bushy appear-
ance; high vigor; small dark green foliage; early and con-
tinuous flowering; and large golden yellow inflorescences
held above and beyond the foliage on wiry peduncles.

1 Drawing Sheet

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BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of Bidens plant, botanically known as *Bidens ferulifolia*
and referred to by the cultivar name Peter Goldteppich.

The new Bidens was discovered by the Inventor in Neu
St. Johann, Switzerland, in the spring, 1996, within a popu-
lation of seedling progeny from various random crosses of
Bidens ferulifolia cultivar Goldmarie, not patented, and
Bidens ferulifolia cultivar Procumbens, not patented, that
were made in the winter, 1995. The selection of this plant
was based on its earlier flowering, more compact and denser
growth habit, and better overall plant performance compared
to the parent cultivars.

Asexual propagation of the new cultivar by terminal
cuttings at Neu St. Johann, Switzerland, has shown that the
unique features of this new Bidens are stable and reproduced
true to type in successive generations.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Peters
Goldteppich’. These characteristics in combination distin-
guish ‘Peters Goldteppich’ as a new and distinct cultivar:

1. Low-growing and cascading plant habit.
2. Freely branching, dense and bushy appearance.
3. High vigor.
4. Small dark green foliage.
5. Early and continuous flowering.
6. Large golden yellow inflorescences held above and
beyond the foliage on wiry peduncles.

The new Bidens can be compared to plants of the Bidens
cultivar Innbid, disclosed in U.S. Plant Pat. No. 11,261.

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However, in side-by-side comparisons conducted in
Gensingen, Germany, plants of the new Bidens have darker
green leaves, larger inflorescences, and flower earlier than
plants of the cultivar Innbid. In addition, plants of the new
Bidens have a low-growing cascading plant habit whereas
plants of the cultivar Innbid are mostly upright.

The cultivar Peters Goldteppich has not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment such as
temperature, daylength and light intensity, without,
however, any variance in genotype.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new Bidens, 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 more accurately describe the actual colors
of the new Bidens.

The photograph at the top of the sheet comprises a top
perspective view of a typical flowering plant of ‘Peters
Goldteppich’.

The photograph at the bottom of the sheet is a close-up
view of upper and lower surfaces of typical leaves, typical
inflorescence buds, and lower and upper surfaces of typical
inflorescences of ‘Peters Goldteppich’.

DETAILED BOTANICAL DESCRIPTION

The following observations, measurements and values
describe 20-cm containers with three plants of the new
cultivar grown in Bonsall, Calif., under outdoor, full-sun
conditions with day temperatures ranging from 21 to 35° C.

and night temperatures ranging from 13 to 18° C. Plants used for the description were about six to eight weeks old.

Color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Bidens ferulifolia* cultivar Peters Goldteppich.

Parentage: Selection from seedling progeny from random crosses of *Bidens ferulifolia* cultivar Goldmarie (not patented) and *Bidens ferulifolia* cultivar Procumbens (not patented).

Propagation:

Type.—By terminal cuttings.

Time to initiate roots, summer.—About 14 days at 22° C.

Time to initiate roots, winter.—About 16 days at 20° C.

Time to develop roots, summer.—About 21 days at 22° C.

Time to develop roots, winter.—About 25 days at 20° C.

Root description.—Fibrous and freely branching.

Plant description:

Appearance.—Herbaceous container and garden plant. Low-growing and spreading, cascading growth habit. Full plants with dense foliage and inflorescences held above and beyond the foliage on wiry peduncles.

Crop time.—From planting rooted cuttings, about 6 to 8 weeks are required to produce a finished, flowering plant in a 10-cm container.

Vigor.—Vigorous.

Plant height.—About 15 cm.

Plant spread.—About 47 cm.

Lateral branches.—Quantity: Freely branching, about 8 lateral branches. Pinching, that is, removal of terminal apices, enhances branching. Length: About 30 cm. Diameter: About 2 mm. Internode length: About 4.75 cm. Texture: Pubescent. Color: 144B with some anthocyanin, 79D.

Foliage description.—Leaves opposite, single. Length: About 3.2 cm. Width: About 2 cm. Shape: Dissected; pinnatifid. Apex: Narrowly acute. Base: Attenuate. Texture: Smooth. Petiole length: About 1 cm. Petiole diameter: About 2 mm. Color: Young foliage, upper surface: 138A. Young foliage, lower surface: 138B. Fully expanded foliage, upper surface: 147A; venation, 147B. Fully expanded foliage, lower surface: 147B; venation, 147B. Petiole: 138B.

Inflorescence description:

Appearance.—Daisy-type composite inflorescence form; actinomorphic. Disc and ray florets arranged acropetally on a capitulum. Inflorescences displayed

above and beyond the foliage on wiry peduncles; peduncles arising from upper leaf axils. Continuously flowering, numerous inflorescences open at the same time. Inflorescences last about one week on the plant; persistent. Floriferous with typically about 65 inflorescence buds and open inflorescences per plant.

Flowering response.—Plants flower continuously from March/April to October/November in the Northern Hemisphere.

Fragrance.—Not detected.

Inflorescence bud.—Length: About 1.2 mm. Diameter: About 7 mm. Shape: Ovoid. Color: 12A.

Inflorescence size.—Diameter: About 4 cm. Depth (height): About 1 cm. Diameter of disc: About 1 cm.

Ray florets.—Length: About 2.2 cm. Width: About 1.4 cm. Shape: Oblong to elliptic. Apex: Broadly acute or slightly tri-dentate. Base: Acute. Margin: Entire. Aspect: Mostly flat. Texture: Smooth, satiny. Number of ray florets per inflorescence: About five in a single whorl. Color: When opening, upper surface: 13A. When opening, lower surface: 13B. Fully opened, upper surface: 12A. Fully opened, upper surface: 12B.

Disc florets.—Shape: Tubular; fluted at apex. Number of disc florets per inflorescence: About 94. Length: About 7 mm. Diameter: About 1 mm. Color: Immature: 4B. Mature: 5A.

Phyllaries.—Quantity: About 15 in three whorls. Length: About 5 mm. Shape: Elongated elliptic. Apex: Rounded. Margin: Entire. Texture: Slightly pubescent. Color: Upper surface: 137A. Lower surface: 137B.

Peduncle.—Length: First peduncle: About 9.2 cm. Second peduncle: About 10.5 cm. Third peduncle: About 10.5 cm. Aspect: Flexible, wiry, moderately strong; inflorescences held above and beyond foliage; angled about 45° to the stem. Texture: Smooth, velvety. Color: 144B.

Reproductive organs.—Androecium: Present on disc florets only. Stamen quantity: Five per disc floret. Anther shape: Elongate. Anther size: About 2 mm. Anther color: 177A. Pollen amount: Scarce. Pollen color: 13A. Gynoecium: Present on ray and disc florets. Pistil length: About 6 mm. Stigma shape: Recurved, bipartite. Stigma color: 12A. Style length: About 3 mm. Style color: 12C. Ovary color: 4A. Seed: Seed development has not been observed.

Disease resistance: Resistance to pathogens common to *Bidens* has not been observed on plants of the new *Bidens*.

It is claimed:

1. A new and distinct cultivar of *Bidens* plant named 'Peters Goldteppich', as illustrated and described.

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