



US00PP20493P2

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

(10) **Patent No.:** **US PP20,493 P2**  
(45) **Date of Patent:** **Nov. 17, 2009**

(54) **VARIETY OF *BIDENS* PLANT NAMED**  
**‘SUMBID 05’**

(50) Latin Name: *Bidens ferulifolium*  
Varietal Denomination: **Sumbid 05**

(75) Inventor: **Ralf Schröder**, Lüdinghausen (DE)

(73) Assignee: **Grünewald Veredelings B.V.**, 's  
Gravenzande (NL)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/283,539**

(22) Filed: **Sep. 12, 2008**

(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

(52) **U.S. Cl.** ..... **Plt./410**

(58) **Field of Classification Search** ..... **Plt./410**  
See application file for complete search history.

Primary Examiner—Kent L Bell

(74) Attorney, Agent, or Firm—The Webb Law Firm

(57) **ABSTRACT**

A new and distinct *Bidens ferulifolium* plant named ‘Sumbid  
05’ with a compact growth habit and bicolored yellow flow-  
ers.

**2 Drawing Sheets**

**1**

Botanical classification: *Bidens ferulifolium*.  
Varietal denomination: ‘Sumbid 05’.

**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct cultivar  
of *Bidens ferulifolium* known by the varietal name ‘Sumbid  
05’. The new variety was discovered in 's Gravenzande, The  
Netherlands on Apr. 3, 2006. The new variety has been asexu-  
ally reproduced via tip cuttings and the first date of asexual  
reproduction was Oct. 27, 2006 in 's Gravenzande, The Neth-  
erlands. The new variety is the result of a planned breeding  
program cross between unpatented *Bidens ferulifolium* plant  
‘Sumbid 02’ (female parent) and unpatented *Bidens ferulifo-*  
*lium* plant No. M009-4. (male parent). The purpose of the  
breeding program was to develop new varieties that exhibit  
similar growth habits to the parent varieties, but with a broad  
range of color. The new variety exhibits a compact growth  
habit and 8 ray florets that are similar to characteristics of both  
parents, but differs from both parents and other *Bidens feru-*  
*lifolium* varieties known to the breeder with its bicolored  
flowers. ‘Sumbid 05’ also exhibits early flowering like ‘Sum-  
bid 02’ (commercially known as “Olympic Star”). The new  
variety has been trial and field tested and has been found to  
retain its distinctive characteristics and remain true to type  
through successive propagations.

**DESCRIPTION OF THE DRAWINGS**

The accompanying photographic drawings illustrate the  
new variety, with the color being as nearly true as is possible  
with color illustrations of this type:

FIG. 1 is a close-up view of a view of the blossoms of the  
new variety; and

FIG. 2 is a view of an entire plant of the new variety.

**DESCRIPTION OF THE PLANT**

The following detailed description sets forth the character-  
istics of a 3 month old ‘Sumbid 05’ plant grown outside in a  
25 cm container having 15-10-10 NPK fertilizer at 1 promille  
per week in The Netherlands. The temperature was 10–14° C.  
at night and 20–28 ° C. during the day. The color readings

**2**

were taken indoors under natural light. Color references are  
primarily to The R.H.S. Colour Chart of The Royal Horticul-  
tural Society of London.

**PLANT**

Time to initiate roots: About 10 days at about 18° C.  
Time to develop roots: About 14 days at about 18° C.  
Time to produce a finished flowering plant from a rooted  
cutting: About 10 weeks in a 12 cm container.  
Root description: Fine, 161D.  
Rooting habit: Strong and spreading.  
Form: Spreading.  
Height: 20–25 cm.  
Plant diameter: 30–40 cm.  
Vigor: Compact.  
Branching habit: Spreading.  
Lateral branches:  
Length.—Primary: 15–20 cm. Secondary: 4–6 cm.  
Diameter.—Primary: 2–3 mm. Secondary: 1–2 mm.  
Internode length.—12–18 mm.  
Texture.—Smooth.  
Pubescence.—Some very fine hairs are present.  
Color.—138 C.  
Foliage:  
Arrangement.—Opposite.  
Size of leaf.—Length: 20–24 mm. Width: 20–22 mm.  
Shape of leaf.—Pinnate.  
Shape of apex.—Acuminate.  
Shape of base.—Round.  
Texture.—Upper surface: Smooth. Lower surface:  
Smooth.  
Aspect.—Smooth.  
Margin type.—Smooth.  
Pubescence.—Upper surface: Smooth. Lower surface:  
Smooth.  
Color.—Young leaves: Upper surface: 139A. Lower sur-  
face: 147B. Mature leaves: Upper surface: 139A.  
Lower surface: From 147B to 147C.  
Petiole.—Shape: Round. Length: Approximately 5–8  
mm. Diameter: 1 mm. Color: From 147B to 147C.

*Veins*.—Venation type: Alternate. Color: Upper surface: 139A. Lower surface: 139C.

INFLORESCENCE

Buds (described 3 days before opening):  
*Shape*.—Round.  
*Diameter*.—7 mm.  
*Length*.—10 mm.  
*Color*.—1A.

Natural flowering season: From April to November in The Netherlands.

Appearance:  
*Form*.—8 consistent ray florets like an aster.

Inflorescence position: Single at the end of the branches.  
Disc and ray floret arrangement: Consistent.  
Number of inflorescences per branch: 2–4.  
Lasting quality: 5–6 days.  
Fragrance: Mild.  
Disease and/or pest resistance: None observed to date.  
Temperature tolerance: 0° C.–40° C.  
Drought tolerance: None observed.

Size:  
*Diameter*.—35–40 mm.  
*Height (depth)*.—6–8 mm.  
*Diameter of disc*.—7 mm.

Ray florets:  
*Length*.—16–18 mm.  
*Width*.—10 mm.  
*Shape*.—Oval.  
*Apex*.—Round; crenate once per floret.  
*Base*.—Round.  
*Margin*.—Smooth.  
*Aspect*.—Thin and weak.  
*Texture*.—Smooth.  
*Number per inflorescence*.—8.  
*Color*.—When opening: Upper surface: 9B. Lower surface: 9B. At maturity: Upper surface: 8B, with 9A inside. Lower surface: 7C. Upon fading: Upper surface: 8D, with from 9A to 9B inside. Lower surface: 7C to 7D.

Disc florets:  
*Length*.—5–6 mm.  
*Width*.—Less than 1 mm.

*Shape*.—Round.  
*Number per inflorescence*.—Approximately 30.  
*Color*.—At first opening: N144B. At maturity: 153C to 153D. Upon fading: 151A.

5 *Phyllaries*:  
*Length*.—3 mm.  
*Width*.—1 mm.  
*Shape*.—Lanceolate.  
*Apex*.—Acuminate.  
10 *Margin*.—Entire.  
*Number per inflorescence*.—8.  
*Texture*.—Smooth.  
*Color*.—Upper surface: 136A. Lower surface: 137B.

Peduncle:  
15 *Length*.—25–35 mm.  
*Diameter*.—1–1.5 mm.  
*Aspect*.—Round.  
*Texture*.—Smooth.  
20 *Color*.—147B to 147C.

REPRODUCTIVE ORGANS

Androecium:  
*Presence*.—No androecium to see.

25 Gynoecium:  
*Presence*.—On disc florets.  
*Pistils*.—Number: Approximately 36. Length: Approximately 3 mm. Style: Length: Approximately 1 mm. Color: 12A. Stigma: Shape: T-shaped, then tapered and closed. Color: 12A.

30 *Seeds*:  
*Description of conditions when produced*.—Only in the hot, dry summer months.  
*Color*.—N200A.  
35 *Length*.—Approximately 4 mm.  
*Width*.—Approximately 1 mm.  
*Number*.—Approximately 10 per inflorescence.

I claim:  
1. A new and distinct variety of *Bidens ferulifolium* plant named ‘Sumbid 05’ substantially as shown and described herein.

\* \* \* \* \*



Fig. 1



Fig. 2