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

(10) **Patent No.: US PP12,245 P2**  
(45) **Date of Patent: Dec. 4, 2001**

(54) *CAMP SIS RADICANS* NAMED ‘TAKARAZUKA  
VARIEGATED’  
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(73) Assignee: **Hines Nurseries, Inc.**, Irvine, CA (US)  
(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.  
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(51) Int. Cl.<sup>7</sup> ..... **A01H 5/00**

(52) **U.S. Cl.** ..... **Plt./226**  
(58) **Field of Search** ..... **Plt./226**  
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LLP

(57) **ABSTRACT**  
A new plant variety of *Campsis radicans* characterized by its  
flecked and mottled white variegated foliage, which is  
exhibited from the emergence of the foliage through matu-  
rity.  
**5 Drawing Sheets**

**1**

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct variety  
of *Campsis radicans* and was discovered as a branch sport  
in a controlled planting of *Campsis radicans* in Sakaino,  
Takarazuka City, Japan. The varietal denomination of the  
new variety is ‘TAKARAZUKA VARIEGATED’.  
The genus *Campsis* is included in the family Bignoni-  
aceae which comprises about 110 genera and 750 species of  
trees, shrubs, woody vines growing in the northern and  
southern hemispheres. The genus *Campsis* comprises 2  
species, one native to North America and the other to East  
Asia, of deciduous shrubs climbing by aerial rootlets. In the  
landscape it can be used as a vine, both species possess  
desirable ornamental characteristics.  
*Campsis radicans* (Linnaeus) B.C. Seemann ex. Bureau  
is widespread and common throughout much of the Eastern  
United States from Pennsylvania to Missouri, Florida and  
Texas. It generally has opposite, odd-pinnately compound  
leaves about 15 to 40 cm long, about 2 to 10 cm wide, with  
an acuminate apex, lustrous dark green above and glabrous,  
pubescent beneath. The plant is deciduous. Flowers of  
*Campsis radicans* are perfect, with a wide-mouthed corolla,  
about 5 to 6 cm wide, borne 4 to 12 in terminal cymes from  
May until October. Flower color is yellow to orange to  
scarlet depending on the variety. The calyx teeth are short,  
triangular being much shorter than the flower tube. Of the  
varieties of *Campsis radicans* previously known to the  
inventor, all have green foliage, and none exhibit variegated  
foliage.

**SUMMARY OF THE INVENTION**

The new variety was discovered as a branch sport in a  
controlled planting of *Campsis radicans* in Sakaino, Hyogo  
Prefecture, Japan, and differs from its parent and all other  
varieties of *Campsis radicans* known to the inventor in its  
flecked and mottled white variegated foliage, which is  
exhibited from the emergence of the foliage through matu-  
rity. Asexual reproduction of the new variety by stem  
cuttings performed in Sakaino Prefecture, Japan;  
Lewisberry, Pa.; Vacaville, Calif.; and Fulshear, Tex.; has  
confirmed that the distinctive characteristics of the new  
variety are stable and transmitted to succeeding generations,  
and the new variety reproduces true to type.

**2**

**COMPARISON WITH PARENT**

‘TAKARAZUKA VARIEGATED’ is distinguished from  
its parent and all other varieties of *Campsis radicans* of  
which I am aware by its flecked and mottled white varie-  
gated foliage, which is exhibited from the emergence of the  
foliage through maturity.

**DESCRIPTION OF ILLUSTRATIONS**

The accompanying photographic illustrations show a  
plant of the new cultivar as true to color as is reasonably  
possible to make in an illustration of this character.  
FIG. 1 illustrates the distinctive foliage variegation of a  
mature plant of the new variety;  
FIG. 2 illustrates a leaflet of the new variety which  
exhibits the distinctive foliage variegation;  
FIG. 3 illustrates an entire leaf of the new variety, which  
exhibits the distinctive foliage variegation;  
FIG. 4 illustrates the flower panicle; the calyx size and  
shape distinction of the new variety from other species of  
*Campsis*; and  
FIG. 5 illustrates a flower of the new variety with the  
characteristic variegated foliage shown in the background.

**DETAILED DESCRIPTION OF THE NEW  
VARIETY**

‘TAKARAZUKA VARIEGATED’ has not been observed  
under all possible environmental, cultural, and light condi-  
tions. The following observations and descriptions are of  
3-year old plants, in 5-gallon nursery containers, grown in  
50% shade in a production nursery setting in Vacaville,  
Calif., using a soilless media and liquid fertilizer. In this  
description, color references are to the *Royal Horticultural  
Society Colour Chart* (1995) and terminology used in the  
color descriptions herein refers to plate numbers in this color  
chart. Phenotypic expression may vary with light intensity,  
cultural, and environmental conditions.

Classification:  
*Botanical*.—*Campsis radicans* (Linnaeus) B.C. Seem-  
mann ex. Bureau (Thunb.) Ser. ‘TAKARAZUKA  
VARIEGATED’.



*Parentage*.—Branch sport in a controlled planting of *Campsis radicans*.

*Propagation*.—By vegetative cuttings.

Plant:

*Size*.—To about 10 m at maturity.

*Branching*.—Lateral Branches: About 3. Typical # Branches: More than 50. Observed # Branches: 8. Branch Size: About 3 m. Branch Diameter: About 7 mm. Branch Coloration: Grey-brown; no spotting.

*Habit*.—Scrambling, twining vine with numerous aerial roots which allow it to climb if supported, or spread along the ground.

*Leaf*.—Arrangement: Opposite, pinnately compound, with a terminal leaflet; about 7 to 13 leaflets. Shape: (Leaflets) Elliptic to ovate-oblong; very irregular in outline and variable. Leaflet Apex: Acuminate to long-acuminate; highly variable in length. Leaflet Base: Cuneate with winged petiolules. Size: Leaflets range from about 2 to 12 cm long, about 1 to 5 cm wide; compound leaves range from about 15 to 40 cm long. Margin: Very irregular in outline, commonly serrated to angularly toothed, sometimes with small lobes and secondary serrations. Texture/Substance Upper Side: Smooth surface; moderately glossy, but very strongly and irregularly bullate overall. Under Side: Barely glossy. Rachis: Sparsely pubescent; from about 7 to 11 cm long from stem to base of terminal leaflet; near Green Group 137B. Petiolules: Variously pubescent; sulcate, winged; about 0.5 to 1.0 cm long on lateral leaflets; often longer, to 3.0 cm on terminal leaflets; near Green Group 137B. Petiole: About 4 to 7 cm from the stem to the first set of leaflets; the base of the petiole is very noticeably swollen on vigorous shoots. Leaf Color: Dark green background color with highly irregular and variable, flecked and mottled white and lighter green variegation. Variegation is most often distributed near the leaf margin but commonly invades the center of the blade in irregular patches. Variegation normally covers less than half the leaflet, and can range from as little as 10% to as much as 60% of the leaf surface. A leaflet's pattern is stable throughout the life of the leaf, but highly variable from leaf to leaf and among plants. Upper Side: Background near Green Group 138C, with some darker areas near Green Group 139A and Greyed-Green Group 189B; variegation near White Group 155C. Under Side: Background near Green Group 137C; variegation near White Group 155C. Venation Pattern: Deeply impressed on upper surface; raised on under surface; midrib and veins pubescent on underside of leaflet. Color Upper Surface: Near Green Group 138C. Under Surface: Near Yellow-

Green Group 148C. Internodes: About 10 to 15 cm on vigorous specimens; otherwise highly variable depending on health and vigor of plants.

*Hardiness*.—USDA Zone 4 (30° F. to 20° F.).

*Vigor*.—Extremely vigorous; rapid growth rate.

*Pests/disease*.—None noted.

Inflorescence:

*Bloom period*.—Outdoors: Early summer to fall. Greenhouse: May to July.

*Flower form/size*.—Tubular, approximately 7 to 8 cm long from attachment to limb of corolla; the section from attachment to about 2.5 cm from attachment is perfectly tubular, about 0.5 cm in diameter, then gradually flaring to about 2.5 to 3 cm at the limb of the corolla. Flower Arrangement: Between 4 to 12 in a terminal cluster on the current year's wood.

*Calyx*.—Tubular-campanulate; 5 unequal lobes; 2.5 cm long; 5 sharply pointed triangular sepal-lobes, each about 0.5 cm long; the calyx tube is 5-ridged, with ridges aligned with and extending to the tops of the calyx lobes (sepals); calyx tube slightly incurved just past the point of divergence of the lobes, while tips of the lobes are slightly flared. Color: Near Orange-Red Group 32A.

*Corolla*.—Divided into 5 unequal lobes, each 1.5 to 2 cm long; the top 2 lobes are nearly identical, nearly rounded to obovate and strongly recurved; the lower 3 lobes are similar in shape, obovate and slightly longer, with the lateral margins of the lobes folded under. Color Corolla Lobe: Near Orange-Red Group 34A. Corolla Tube: Near Orange-Red Group 32B. Base of Throat: Near Orange-Red Group 25C. Lines on Throat: Near Red Group 32B.

*Fragrance*.—None noted.

*Lastingness of individual blooms*.—Between about 4 to 7 days.

Reproductive organs:

*Stamens*.—4; approximately 3 cm long. Color: Near Yellow-Orange Group 20A.

*Stigma*.—2.

*Pistils*.—1; approximately 5.5 cm long. Color: Near Yellow-Orange Group 18B.

*Pollen color*.—Near Yellow-Orange Group 18B.

*Fruit*.—Type: Bi-valved dehiscent capsule containing numerous flat, winged seeds with glabrous surface. Length: Between about 7 to 12 cm. Diameter: Between about 1 to 1.5 cm. Coloration: Capsule Greyed-Orange Group 164C; seed near Greyed-Orange Group 165A.

I claim:

1. A near plant of *Campsis radicans* of the variety substantially as shown and described.

\* \* \* \* \*



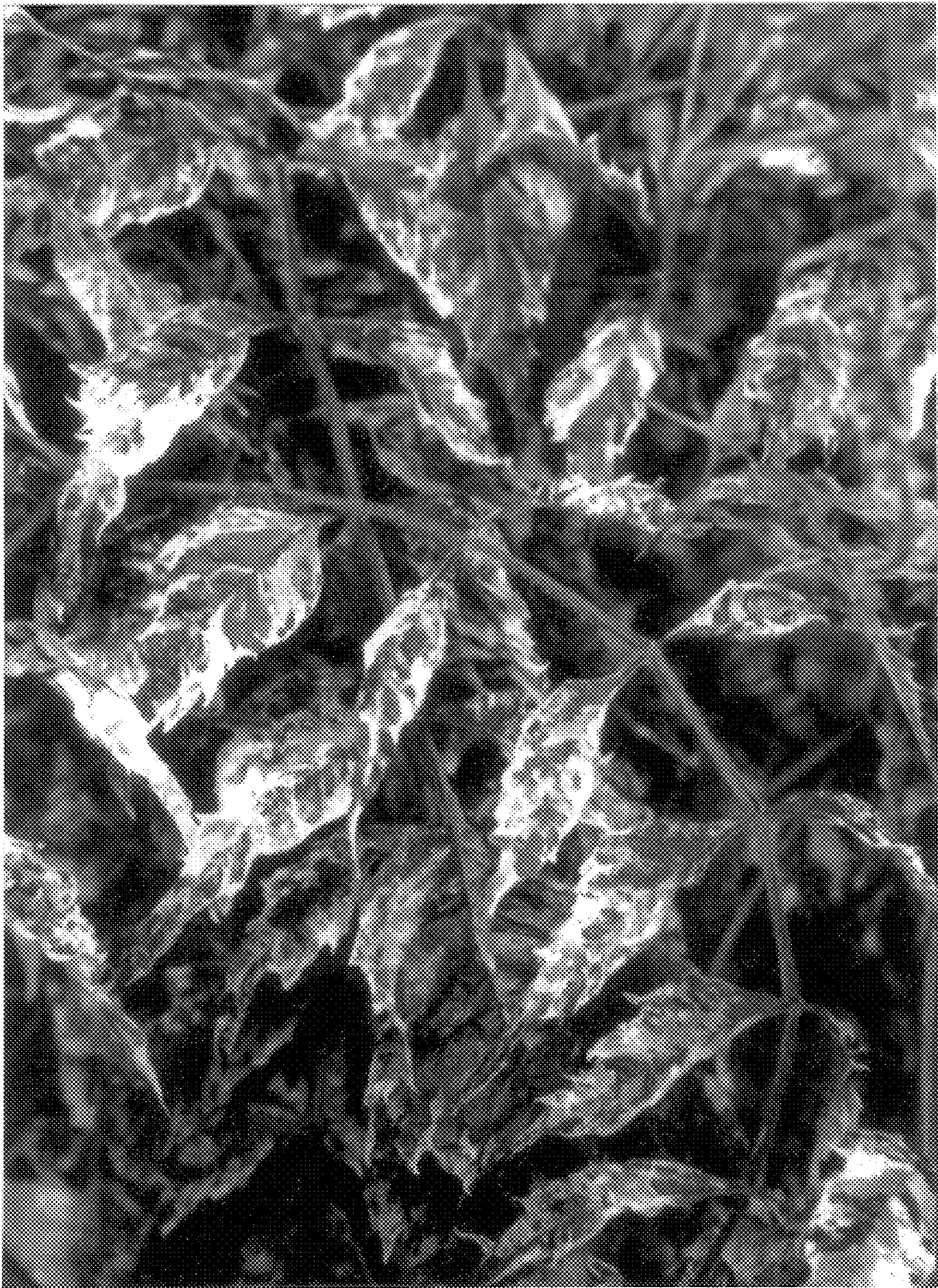


Fig. 1





Fig. 2





Fig. 3





Fig. 4





Fig. 5



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP 12,245 P2  
DATED : December 4, 2001  
INVENTOR(S) : Shinri Wakaiki

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,  
Column 4, in the Claim, replace “near” with -- new --.

Signed and Sealed this

Tenth Day of September, 2002

*Attest:*

A handwritten signature in black ink, appearing to read 'James E. Rogan', with a long horizontal stroke extending from the bottom of the signature.

*Attesting Officer*

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*