



US00PP15364P2

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

(10) **Patent No.:** **US PP15,364 P2**

(45) **Date of Patent:** **Nov. 23, 2004**

(54) **BRACTEANTHA PLANT NAMED**  
**'REDBRARED'**

(50) Latin Name: *Bracteantha bracteata*  
Varietal Denomination: **Redbrared**

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(\*) 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.: **10/783,367**

(22) Filed: **Feb. 21, 2004**

(51) **Int. Cl.**<sup>7</sup> ..... **A01H 5/00**

(52) **U.S. Cl.** ..... **Plt./359**

(58) **Field of Search** ..... **Plt./359**

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(57) **ABSTRACT**

A new and distinct cultivar of *Bracteantha* named  
'Redbrared', characterized by its compact and bushy growth  
habit; upright, outwardly spreading and rounded plant form;  
freely-flowering habit; yellow orange and red-colored  
involucral bracts and yellow orange-colored disc florets; and  
short and strong peduncles that hold inflorescences above  
the foliage.

**1 Drawing Sheet**

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Botanical classification/cultivar designation: *Bracteantha*  
*bracteata* cultivar Redbrared.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Bracteantha* plant, botanically known as *Bracteantha*  
*bracteata* and referred to by the name 'Redbrared'.

The new *Bracteantha* is a product of a planned breeding  
program conducted by the Inventor in Redland Bay,  
Queensland, Australia. The objective of the program is to  
create and develop *Bracteantha* cultivars with a compact  
growth habit, numerous inflorescences with attractive  
involucral bract coloration and long-lasting inflorescences.

The new *Bracteantha* originated from a cross-pollination  
by the Inventor in February, 1997, of a proprietary selection  
of *Bracteantha bracteata* identified as code number 95-137,  
not patented, as the female, or seed, parent with a proprietary  
selection of *Bracteantha bracteata* identified as code number  
95-155, not patented, as the male, or pollen, parent. The  
new *Bracteantha* was discovered and selected by the Inven-  
tor as a plant within the progeny of the stated cross-  
pollination in a controlled environment in Redland Bay,  
Queensland, Australia in June, 1998. The selection of the  
new *Bracteantha* was based on its red-colored involucral  
bracts and compact growth habit.

Asexual reproduction of the new *Bracteantha* by terminal  
cuttings taken in a controlled environment in Redland Bay,  
Queensland, Australia since September, 1998, has shown

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that the unique features of this new *Bracteantha* are stable  
and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

The new *Bracteantha* 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  
'Redbrared' and distinguish the new *Bracteantha* as a new  
and distinct cultivar:

1. Compact and bushy growth habit.
2. Upright, outwardly spreading and rounded plant form.
3. Freely-flowering habit.
4. Yellow orange and red-colored involucral bracts and  
yellow orange-colored disc florets.
5. Short and strong peduncles that hold inflorescences  
above the foliage.

Plants of the new *Bracteantha* can be compared to plants  
of the female parent selection. In side-by-side comparisons  
conducted by the Inventor in Redland Bay, Queensland,  
Australia, plants of the new *Bracteantha* differed from plants  
of the female parent selection in the following characteris-  
tics:

1. Plants of the new *Bracteantha* were shorter and more  
compact than plants of the female parent selection.

2. Involucral bracts of plants of the new *Bracteantha* were yellow orange and red in color whereas involucral bracts of plants of the female parent selection were pink in color.

Plants of the new *Bracteantha* can be compared to plants of the male parent selection. In side-by-side comparisons conducted by the Inventor in Redland Bay, Queensland, Australia, plants of the new *Bracteantha* differed from plants of the male parent selection in the following characteristics:

1. Plants of the new *Bracteantha* were shorter and more compact than plants of the male parent selection.
2. Inflorescences of plants of the new *Bracteantha* were circular in shape whereas inflorescences of plants of the male parent selection were star-shaped.
3. Involucral bracts of plants of the new *Bracteantha* were yellow orange and red in color whereas involucral bracts of plants of the male parent selection were red in color.

Plants of the new *Bracteantha* can also be compared to plants of the cultivar Redbrabro, disclosed in U.S. Plant Pat. No. 12,989. In side-by-side comparisons conducted by the Inventor in Redland Bay, Queensland, Australia, plants of the new *Bracteantha* differed from plants of the cultivar Redbrabro in the following characteristics:

1. Plants of the new *Bracteantha* were more compact than plants of the cultivar Redbrabro.
2. Plants of the new *Bracteantha* were more freely branching than plants of the cultivar Redbrabro.
3. Plants of the new *Bracteantha* were more freely flowering than plants of the cultivar Redbrabro.
4. Involucral bracts of plants of the new *Bracteantha* were yellow orange and red in color whereas involucral bracts of plants of the cultivar Redbrabro were bronze in color.
5. Plants of the new *Bracteantha* had fewer disc florets than plants of the cultivar Redbrabro.
6. Plants of the new *Bracteantha* had shorter peduncles than plants of the cultivar Redbrabro.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPHS

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 reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed description which accurately describe the colors of the new *Bracteantha*.

The photograph at the top of the sheet comprises a side perspective view of a typical plant of 'Redbrared' grown in a container.

The photograph at the bottom of the sheet comprises a close-up view of a typical inflorescence of 'Redbrared'. Plants used for the photographs were grown in 15-cm containers during the spring in an outdoor nursery and were about three months old when the photographs were taken.

#### DETAILED BOTANICAL DESCRIPTION

The following observations and measurements describe plants grown in Redland Bay, Queensland, Australia during the spring and summer under outdoor conditions with day temperatures ranging from 15 to 30° C. and night temperatures ranging from 10 to 15° C. Rooted liners of the new *Bracteantha* were planted in three-gallon containers and

grown for about six months. 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: *Bracteantha bracteata* cultivar Redbrared.

Parentage:

*Female or seed parent*.—Proprietary selection of *Bracteantha bracteata* identified as code number 95-137, not patented.

*Male or pollen parent*.—Proprietary selection of *Bracteantha bracteata* identified as code number 95-155, not patented.

Propagation:

*Type*.—By cuttings.

*Time to initiate roots*.—Summer: About one week at 30° C. Winter: About two weeks at 20° C.

*Time to produce a rooted young plant*.—Summer: About three weeks at 30° C. Winter: About four weeks at 20° C.

*Root description*.—Fine to fibrous; pale brown in color.

*Rooting habit*.—Freely-branching.

Plant description:

*General appearance*.—Compact and bushy growth habit; upright, outwardly spreading and rounded plant form with dense foliage and inflorescences held above the foliage on short peduncles. Vigorous growth habit. Freely branching, about 267 lateral branches per plant. Appropriate for three-gallon containers.

*Plant height*.—About 31 cm.

*Plant width*.—About 54 cm.

*Lateral branch description*.—Length: About 37 cm. Width: About 8.3 mm. Internode length: About 1.3 cm. Aspect: Erect. Strength: Strong. Texture: Slightly pubescent. Color: 143D.

*Foliage description*.—Arrangement: Alternate, single; sessile. Length: About 6.7 cm. Width: About 1.3 cm. Shape: Linear elliptic. Margin: Entire. Apex: Acute. Texture, upper and lower surfaces: Leathery; smooth, glabrous. Venation pattern: Narrowly arcuate to reticulate. Color: Developing and fully expanded leaves, upper surface: 137B; venation, close to 137B. Developing and fully expanded leaves, lower surface: 137C, venation, 146D.

Flowering description:

*Inflorescence form*.—Daisy-type composite inflorescence form. Inflorescences arranged acropetally on a capitulum. Inflorescences circular in shape.

*Inflorescence longevity*.—Inflorescences last on the plant for about five weeks. Inflorescences persistent.

*Natural flowering season*.—Natural flowering season is year-round in Redland Bay, Queensland, Australia; flowering continuous.

*Quantity of inflorescences*.—One terminal inflorescence per lateral branch, about 166 inflorescences per plant at one time.

*Fragrance*.—Moderate; sweet.

*Inflorescence aspect*.—Cupped.

*Inflorescence diameter*.—About 3.8 cm.

*Inflorescence depth (height)*.—About 1.5 cm.

*Disc diameter*.—About 1.6 cm.

*Receptacle diameter*.—About 1.6 cm.

*Receptacle height*.—About 7.1 mm.

*Inflorescence buds*.—Length: About 1.4 cm. Diameter: About 1.5 cm. Shape: Roughly spherical. Color: 187B.

*Involucral bracts*.—Quantity per inflorescence: About 192 in multiple whorls. Length: About 1 cm. Width: About 4.7 mm. Shape: Ligulate, concave. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Smooth, papery, stiff, satiny. Color: When opening and fully opened, upper surface: Towards the apex, 53B; mid-section, 40B; towards the base, 26A. When opening and fully opened, lower surface: Inner bracts, 26B; center bracts, 42A; outer bracts, 187B.

*Disc florets*.—Arrangement: Massed in the center of the receptacle with one whorl of filiform florets at the perimeter of the disc. Quantity per inflorescence: About 305. Shape: Tubular with five lobes. Length: About 5.9 mm. Diameter, apex: About 0.9 mm. Diameter, base: About 0.6 mm. Color, immature: 26A. Color, mature: Towards the apex, 26A; towards the base, 22B.

*Peduncle*.—Length: About 5.2 cm. Diameter: About 2.6 mm. Aspect: Erect. Strength: Strong. Texture: Slightly pubescent. Color: 143C.

*Androecium*.—Present only on disc florets; minute. Arrangement: Fused anther tube with five long thin linear anthers surrounding the style. Anther length: Less than 1 mm. Anther color: Yellow. Amount of pollen: Moderate. Pollen color: Yellow.

*Gynoecium*.—Present on both filiform and disc florets; minute. Quantity per floret: One. Style color: 23A towards the stigma; towards the base, pale yellow to white. Stigma shape: Bi-parted. Stigma color: 23A.

*Seed*.—Seed development has not been observed.

Disease/pest resistance: Plants of the new *Bracteantha* have not been observed to be resistant to pathogens or pests common to *Bracteantha*.

Temperature tolerance: Plants of the new *Bracteantha* have been observed to tolerate temperatures from  $-4$  to  $40^{\circ}$  C. It is claimed:

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

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