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(12) **United States Plant Patent**  
**van Schie**

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(54) **GUZMANIA PLANT NAMED ‘SCHIELI’**

(50) Latin Name: ***Guzmania* hybrid**  
Varietal Denomination: **Schieli**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Guzmania* hybrid cultivar named ‘SCHIELI’ is disclosed, characterized by a compact plant form, yellow bracts with red tips and many leaves. The new variety is a *Guzmania*, and is normally used as an ornamental plant.

**1 Drawing Sheet**

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Latin name of the genus and species: *Guzmania* hybrid.  
Variety denomination: ‘SCHIELI’.

**BACKGROUND OF THE INVENTION**

The new cultivar is a product of a chance discovery. The new variety originated as a chance, whole plant mutation from the, unpatented, variety *Guzmania* hybrid ‘Marjan.’ The new variety was discovered by the inventor, Hubertus van Schie, a citizen of the Netherlands, in Delfgauw, the Netherlands during 2004, in among a commercial planting of the parent variety.

Asexual reproduction of the new cultivar ‘Schieli’ was first performed in the Netherlands by tissue culture in 2004. ‘Schieli’ has since produced several generations by tissue culture and has shown that the unique features of this cultivar are stable and reproduced true to type.

**SUMMARY OF THE INVENTION**

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

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘SCHIELI.’ These characteristics in combination distinguish ‘SCHIELI’ as a new and distinct *Guzmania* hybrid cultivar:

1. Yellow bracts with red tips
2. Compact plant form.
3. Many leaves.

**PARENT COMPARISON**

Plants of the new cultivar ‘SCHIELI’ are similar to plants of the parent variety, an *Guzmania* hybrid ‘Marjan’, in most horticultural characteristics. However, plants of the new cultivar ‘SCHIELI’ are more compact. Additionally, ‘Marjan’

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typically has entirely yellow bracts, whereas the new variety has significant amounts of red in the bracts.

**COMMERCIAL COMPARISON**

Plants of the new cultivar ‘SCHIELI’ are similar to plants of the unpatented commercial variety, *Guzmania* hybrid ‘Sunnytime’ in most horticultural characteristics. However, plants of the new cultivar ‘SCHIELI’ are more compact than ‘Sunnytime’ and ‘SCHIELI’ produces bracts with more red than ‘Sunnytime.’

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying photograph in FIG. 1 illustrates in full color a typical plant of ‘SCHIELI’ grown in a greenhouse. The pot size is a commercial 15 cm container. The plant shown is approximately 18 months old. The photograph was taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

**DETAILED BOTANICAL DESCRIPTION**

In the following description, color references are made to The Royal Horticultural Society Colour Chart 2001 except where general terms of ordinary dictionary significance are used. The following observations and measurements describe ‘SCHIELI’ plants grown in a commercial controlled greenhouse in Delfgauw, the Netherlands. Temperatures ranged from 20° C. to 28° C. night and day. No artificial light, photoperiodic treatments or chemical treatments were given to the plants. Measurements and numerical values represent averages of typical plant types.

Botanical classification: *Guzmania* hybrid ‘SCHIELI’

Age of plant described: Approximately 1 year.

Container size of plant described: Approximately 12 cm.

## PROPAGATION

Type of propagation typically used: Tissue culture  
 Time to initiate roots: About 70 days at approximately 20-28°  
 C. 5  
 Time to produce a rooted cutting/liner: About 125 days at  
 approximately 20-28° C.  
 Root description: Moderately dense, moderately branched,  
 fine, fibrous, not fleshy, colored near RHS Grey 201C

## PLANT

Growth habit: Upright, monopodial  
 Height: Average: 42.7 cm  
 Plant spread: Average: 65.5 cm  
 Normal pot size: 12 cm  
 Growth rate: Moderate  
 Branching characteristics: Monopodial, leaves form a basal  
 rosette, inflorescence grows from the center of the rosette  
 Number of leaves per scape: Average: 26 20  
 Stem length: No stems present, scape grows directly from  
 rosette

## FOLIAGE

## Leaf:

*Arrangement.*—Rosulate; leaves (average: 26) placed in  
 a basal rosette.

*Average length.*—Approximately 34.8 cm.

*Average width.*—Approximately 4.2 cm.

*Shape of blade.*—Ligulate.

*Aspect.*—Arching downward.

*Apex.*—Apiculate.

*Base.*—Sheathing. Sheath length: Average 6.8 cm.  
 Sheath width: Average 7.9 cm. Sheath color: Near  
 RHS Yellow-Green 152B. 35

*Margin.*—Entire.

*Texture of top surface.*—Smooth, very glossy.

*Texture of bottom surface.*—Smooth, very glossy.

*Color.*—Young foliage upper side: Near RHS Yellow-  
 Green 145A. Young foliage under side: Near RHS  
 Yellow-Green 145B. Mature foliage upper side: Near  
 RHS Green N137A. Mature foliage under side: Near  
 RHS Yellow-Green 146A. 40

*Venation.*—Type: Parallel. Venation coloration: Near  
 RHS Green N137A. 45

Petiole: No petioles present, leaves sheathing

## INFLORESCENCE

## General description:

*Inflorescence height, excluding scape.*—Approximately  
 12.0 cm.

*Inflorescence width.*—Approximately 23.7 cm.

*Flowers.*—To date, flower development has been  
 observed on plants of the new *Guzmania*. 55

## Scape:

*Length.*—Approximately 26.0 cm.

*Width.*—Approximately 1.2 cm.

*Aspect.*—Approximately 90° angle to rosette (near ver-  
 tical).

*Strength.*—Very strong.

*Color.*—Near RHS Yellow-Green 150C.

*Texture.*—Smooth.

## Bracts:

*Scape/lowermost bracts.*—Shape: Ligulate. Length:  
 Approximately 18.4 cm, excluding sheath. Width:  
 Approximately 2.8 cm. Texture: Smooth.

*Quantity.*—Average 8.

*Tip.*—Apiculate.

*Base.*—Sheathing. Sheath length: Approximately 7.2  
 cm. Sheath width: Approximately 3.6 cm. Sheath  
 color: Near RHS Yellow-Green 146D. 15

*Margin.*—Entire. Color Uppside: Upper half of the  
 leaf blade near RHS Green N137A, lower half of the  
 leaf blade near RHS Orange-Red 31A. Color Under-  
 side: Upper half of the leaf blade near RHS Yellow-  
 Green 147B, lower half of the leaf blade near RHS  
 Orange-Red 33A. 20

## Terminal bracts:

*Shape.*—Short ligulate to triangular. 25

*Length.*—Approximately 9.5 cm, excluding sheath.

*Width.*—Approximately 3.6 cm.

*Quantity.*—Average 19.

*Texture.*—Smooth.

*Tip.*—Acute. 30

*Base.*—Sheathing. Sheath length: Approximately 2.5  
 cm. Sheath width: Approximately 3.9 cm. Sheath  
 color: Near RHS Yellow-Green 153D.

*Margin.*—Entire.

*Coloration terminal bracts.*—Uppside: Near RHS Yel-  
 low-Orange 23A, tip near RHS Orange-Red N34A.  
 Underside: Near RHS Orange 25A, tinged with RHS  
 Orange-Red 34B, tip near Red 45B.

Reproductive organs: As no true flowers have been observed  
 to date, the reproductive organs have not been observed for  
 description.

## OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to  
 diseases or pests has been observed in this variety.

Drought tolerance and cold tolerance: Observed to tolerate  
 temperatures to 40° C. without any negative effects. Tem-  
 perature tolerance above this range has not been observed.

Tolerance of cold temperatures has not been observed. 50

Fruit/seed production: Not observed.

What is claimed is:

1. A new and distinct cultivar of *Guzmania* plant named  
 'SCHIELI' as herein illustrated and described.

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Fig. 1