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

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(54) **VARIETY OF *HYDRANGEA* PLANT NAMED  
'HORLAU'**

(50) Latin Name: *Hydrangea macrophylla*  
Varietal Denomination: **Horlau**

(75) Inventor: **Katrin Meinl**, Dresden (DE)

(73) Assignee: **Claus & Torsten Kühne GbR**, Dresden  
(DE)

(\*) 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.: **11/978,305**

(22) Filed: **Oct. 29, 2007**

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

(52) **U.S. Cl.** ..... **Plt./250**

(58) **Field of Classification Search** ..... **Plt./250**  
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 bicoloured *Hydrangea* plant having dark  
foliage and a fresh fragrance.

**1 Drawing Sheet**

**1**

Botanical classification: *Hydrangea macrophylla* hybrid.  
Varietal denomination: 'HORLAU'.

**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct cultivar of *Hydrangea* plant known by the varietal name 'Horlau'. The new variety was discovered in 2005 as a naturally occurring whole plant mutation of 'Weesenstein Bicolor' in Dresden, Germany. 'Horlau' exhibits bicoloured flowers, a lacecap inflorescence and a leaf size similar to 'Weesenstein Bicolor', but differs in height and flower bud induction. The new variety was first asexually reproduced in 2005 via propagation by cuttings in Germany. The new variety has been trial and field tested in Germany and has been found to retain its distinctive characteristics and remain true to type through successive propagations.

The following traits distinguish 'Horlau' as a new and distinct cultivar from other *Hydrangea* varieties known to the breeder:

1. Bicoloured in nature;
2. Strong stems;
3. Dark foliage;
4. Small leaves; and
5. Good root system.

**DESCRIPTION OF THE DRAWING**

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

FIG. 1 is photograph of an entire plant of the new variety.

**DESCRIPTION OF THE PLANT**

The following detailed description sets forth characteristics of the new cultivar. The plants were grown in 13 cm. pots in peat substrate at a pH of 6.0 and were 10 months past propagation when described. Measurements and color readings of the plants were taken in Dresden, Germany under natural light with a shadow present. Color references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London.

**2**

**PLANT**

Time to initiate roots: About 15 days at 18° C.

Time to develop roots: About 20 days at 18° C.

5 Rooting habit: Strong and adventitious root system.

Time to produce a finished flowering plant from a rooted cutting: About 42 weeks in a 13 cm. container.

Form: Symmetrical.

Height (from media surface to top of foliage): 26.0 cm.

10 Height (from media surface to top of flowers): 28.0 cm.

Plant diameter: 45.0 cm.

Vigor: Strong.

Strength: No artificial support needed.

Branching habit: Well-branched.

15 Trunk:

*Main trunk length.*—3.0 cm.

*Diameter.*—0.8 cm.

*Color.*—199B.

*Texture.*—Woody.

20 *Pubescence.*—Absent.

*Internode length.*—2.0 cm.

Lateral branches:

*Length.*—Young: 14.0 cm. Mature: 5.0 cm.

*Diameter.*—Young: 0.7 cm. Mature: 0.7 cm.

25 *Internode length.*—4.0 cm.

*Texture.*—Smooth.

*Pubescence.*—Absent.

*Color.*—Young: 143B. Mature: 199C.

30 Foliage:

*Arrangement.*—Opposite disposition.

*Size of leaf.*—Length: 11.0 cm. Width: 9.0 cm.

*Shape of leaf (generally).*—Young: Ovate. Mature:  
Round-ovate.

35 *Shape of apex.*—Cuspidate.

*Shape of base.*—Obtuse.

*Texture.*—Shiny.

*Aspect.*—Undulate.

*Margin type.*—Serrate.

40 *Pubescence.*—None present.

*Color.*—Young leaves: Upper surface: 137A. Lower  
surface: 138A. Mature leaves: Upper surface: 139A.  
Lower surface: 143A.

*Petiole*.—Shape: U-shaped. Length: 2.0 cm.  
Diameter: 0.3 cm. Color: 143A.  
*Veins*.—Venation type: Pinnate. Color: Upper surface: 143A. Lower surface: 143C.

## FLOWER

Natural flowering season: July in Dresden, Germany.  
Flower habit: Early blooming after 10 weeks of forcing.  
Bud:

*Stage of development when described*.—At closed stage.

*Shape of cluster*.—Round.

*Diameter of cluster*.—4.0 cm.

*Number of buds per cluster*.—More than 50.

*Shaped*.—Round.

*Length*.—0.2 cm.

*Width*.—0.4 cm.

Inflorescence:

*Shape*.—Lacecap.

*Length*.—4.0 cm.

*Diameter*.—14.0 cm.

*Average number of flowers per inflorescence*.—8 sterile flowers, more than 200 fertile flowers.

*Average number of inflorescences per plant*.—7.

*Lastingness*.—Fertile: Three weeks. Sterile: Four weeks.

Petals:

*Number per flower*.—4 to 5.

*Color*.—Upper surface: 63D. Lower surface: 63D.

*Shape*.—Round.

*Length*.—0.3 cm.

*Width*.—0.15 cm.

*Apex*.—Pointy.

*Base*.—Obtuse.

*Margin*.—Entire.

*Texture*.—Smooth.

*Tonality from a distance*.—Mixed colour.

Sepals:

*Number per flower*.—4 to 5.

*Color*.—143D.

*Shape*.—Ovate.

*Length*.—0.1 cm.

*Width*.—0.1 cm.

*Apex*.—Pointy.

*Base*.—Obtuse.

*Margin*.—Entire.

*Texture*.—Smooth.

*Fused*.—Yes.

Petaloids:

*Quantity*.—4-5.

*Shape*.—Ovate.

*Color*.—Upper surface: Margin: 63D. Middle: 63B.

Lower surface: Margin: 63C. Middle: 65C.

Pedicels:

*Length*.—Fertile: 0.2 cm. Sterile: 1.2 cm.

*Diameter*.—Fertile: 0.1 cm. Sterile: 0.2 cm.

*Color*.—143C.

Peduncles:

*Length*.—3.0 cm.

*Diameter*.—0.4 cm.

*Texture*.—Smooth.

*Color*.—143B.

Stamens:

*Number per fertile flower*.—7 to 9.

*Filament*.—Length: 0.2 cm. Color: 27D.

*Anthers*.—Shape: Round to elongated. Length: 0.1 cm.

Color: 27C.

*Pollen*.—Color: 27C. Amount: Plentiful.

Pistils:

*Number*.—1, divided into 3 parts.

*Length*.—0.1 cm.

*Style*.—Length: 0.1 cm. Color: 65D.

*Stigma (divided into 3 parts)*.—Color: 63B. Diameter: 0.15 cm.

*Ovaries (inferior)*.—Length: 0.3 cm. Width: 0.2 cm. Color: 1D.

Fragrance: Fresh and “green”.

Disease resistance: Tolerant to botrytis and powdery mildew.

Temperature tolerance: Medium, not fully winterhardy flowers in Germany.

Drought tolerance: Medium.

I claim:

1. A new and distinct variety of *Hydrangea* plant substantially as shown and described herein.

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**Fig. 1**

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

PATENT NO. : PP 19,804 P2  
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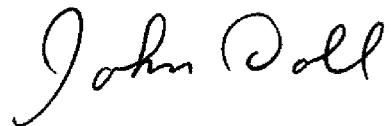
Page 1 of 1

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

Column 4, sixth line from the bottom, "not fully winterhardy" should read  
-- not fully winterhardy --

Signed and Sealed this

Thirtieth Day of June, 2009



JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*