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

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(54) **ILLICIUM PLANT NAMED ‘NCIH2’**

(50) Latin Name: *Illicium*  
Varietal Denomination: **NCIH2**

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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 29 days.

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(22) Filed: **Nov. 10, 2016**

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(51) **Int. Cl.**  
*A01H 5/02* (2018.01)

(52) **U.S. Cl.**  
USPC ..... **Plt./226**  
CPC ..... *A01H 5/02* (2013.01)

(58) **Field of Classification Search**  
USPC ..... Plt./226  
See application file for complete search history.

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(57) **ABSTRACT**

‘NCIH2’ is a new cultivar of hybrid *Illicium* with remontant flowering, a compact habit, and large, white flowers.

**3 Drawing Sheets**

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Latin name of the genus and species: The Latin name of the novel plant variety disclosed herein is *Illicium*.

Variety denomination: The inventive hybrid of *Illicium* disclosed herein has been given the varietal denomination ‘NCIH2’.

**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct variety of *Illicium*, hereinafter referred to by the cultivar name ‘NCIH2’. ‘NCIH2’ was selected from a population of seedlings grown from an open-pollinated F<sub>1</sub> hybrid of *Illicium mexicanum* x *Illicium floridanum* (2014-318, unpatented). The first asexual propagation of ‘NCIH2’ was carried out in July 2007 by rooting stem cuttings in Mills River, N.C. and has been asexually reproduced repeatedly by vegetative cuttings over a 9-year period. ‘NCIH2’ roots readily from softwood cuttings treated with a basal dip of 5,000-10,000 ppm indole butyric acid (potassium salt) in water. Time to rooting for semi-hardwood cuttings is approximately 6 weeks at about 30° C. has been found to retain its distinctive characteristics through successive asexual propagations.

**SUMMARY OF THE INVENTION**

The following are the unique combination of characteristics of this new cultivar when grown under standard horticultural practices in Mills River, N.C.

1. Remontant flowering: Primarily in the spring and fall and sporadically throughout the growing season.
2. A compact, upright habit.
3. Large, white flowers.

**BRIEF DESCRIPTION OF THE DRAWINGS**

This new *Illicium* is illustrated by the accompanying photographs which show the plant’s flowers, foliage and form. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. Colors

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in the photographs may differ slightly from the color values cited in the detailed botanical description, which accurately describe the colors of the new hybrid *Illicium*.

FIG. 1 is a photograph showing the habit and fall flowering of ‘NCIH2’ September 2009 on a four-year-old field-grown shrub.

FIG. 2 is a photograph showing the flower of ‘NCIH2’ in spring 2013 on a three-year-old container-grown shrub.

FIG. 3 is a photograph showing the flower morphology of ‘NCIH2’ in July 2013 on a three-year-old container-grown shrub.

**DETAILED BOTANICAL DESCRIPTION**

The following is a detailed description of the botanical characteristics of the new and distinct hybrid *Illicium* variety plant known by the denomination ‘NCIH2’. The detailed description was taken on a three-year-old field-grown plant in Mills River, N.C. in 2015. All colors cited herein refer to The Royal Horticultural Society (R.H.S.) Colour Chart, London, sixth edition, 2015. Where specific dimensions, sizes, colors, and other characteristics are given, it is to be understood that such characteristics are approximations or averages set forth as accurately as practicable.

**TECHNICAL DESCRIPTION OF THE VARIETY**

Classification:

*Botanical name.*—*Illicium* ‘NCIH2’.  
*Common name.*—Anise-tree.

Parentage: Seedling grown from an open-pollinated, F<sub>1</sub> hybrid *Illicium mexicanum* x *Illicium floridanum* (2014-318, unpatented)).

Plant description:

*Growth habit.*—Upright, compact shrub.  
*Height.*—Approximately 1.5 in at maturity.  
*Width.*—Approximately 1 m at maturity.  
*Growth rate.*—Moderate.

## Shoot and stem:

*Lateral branch length.*—Avg. 29 cm (range 22 to 46 cm).

*Lateral branch diameter.*—Avg. 0.45 cm (0.3 to 0.6 cm).

*Branch characteristics.*—Moderate to dense branching, angled approximately 45-75°.

*Branch shape.*—Rounded to obovate.

*Internode length.*—Avg. 9.9 cm (7 to 12 cm).

*Texture.*—Glabrous.

*Immature shoot color.*—Yellow-Green (146B).

*Mature stem color.*—Grey-Brown (199A).

## Leaves:

*Type.*—Simple.

*Aspect.*—Leaf angled approximately 15-80° from lateral branches.

*Persistence.*—Evergreen.

*Arrangement.*—Alternate to pseudo-whorled.

*Shape.*—Elliptical.

*Apex.*—Acuminate.

*Base.*—Cuneate.

*Venation.*—Reticulate.

*Vein color.*—Upper: Yellow-Green (144B). Lower: Yellow-Green (144B).

*Margins.*—Entire.

*Emerging leaves.*—Color: Upper: Yellow-Green (144A). Lower: Yellow-Green (144A). Texture: Glabrous, shiny on both upper and lower emerging leaves.

*Mature leaves during growing season.*—Color: Upper: Yellow-Green (146A). Lower: Yellow-Green (146C). Texture: Glabrous, leathery both upper and lower mature leaves Length of lamina: Avg. 12.3 cm (9.3 to 17.1 cm). Width: Avg. 3.2 cm (2.4 to 4.3 cm). Foliage scent: Aromatic, anise-like. Leaf attachment: Petiolate.

*Petiole.*—Length: Avg. 1.3 cm (0.6 to 1.6 cm). Diameter: Avg. 0.2 cm (0.15 to 0.3 cm). Color: Yellow-Green (144B). Texture: Glabrous.

## Inflorescence:

*Flowering season.*—Two primary blooming periods, in April-May and again in September-November in Mills River, N.C. Flowers are also produced sporadically throughout the growing season.

*Arrangement.*—Single flowers, occurring at leaf axils, 1-11 flowers per axil.

*Lastingness of flowers.*—Approximately 5 to 10 days.

*Fragrance.*—Slight anise fragrance.

*Bud.*—Shape: Oblong. Texture: Glabrous. Length: Avg. 1.5 cm (1.2 to 1.9 cm). Diameter: Avg. 0.8 cm (0.7 to 1 cm). Color: Yellow-Green (145B).

*Perianth.*—Diameter: Avg. 5.4 cm (5 to 6.5 cm). Height: Avg. 1.2 cm (1 to 1.4 cm).

*Perianth aspect.*—Outward facing to slightly nodding.

*Petals.*—Arrangement: Radial, slightly overlapping. Number: Avg. 22 (18 to 26 petals). Texture, upper and lower surfaces: Smooth. Shape: Strap-shaped. Base: Truncate to rounded. Margin: Entire. Apex: Acute to acuminate. Length: Avg. 2.2 cm (1.2 to 2.7 cm). Width: Avg. 0.25 cm (0.15 to 0.4 cm). Color when opening: Upper: Yellowish-White (NN155A). Lower: Yellowish-White (NN155A). Color at maturity: Upper: Yellowish-White (NN155A). Lower: Yellowish-White (NN155A).

*Sepal.*—Shape: Oblong. Number: Avg. 3 (2-6 sepals).

Margin: Entire. Apex: Obtuse. Base: Truncate to rounded. Color, immature: Upper: Yellowish-White (NN155A). Lower: Yellowish-White (NN155A).

Color, mature: Upper: Yellowish-White (NN155A). Lower: Yellowish-White (NN155A). Texture, upper and lower surfaces: Glabrous. Length: Avg. 1.8 cm (1.2 to 2.4 cm). Width: Avg. 0.6 cm (0.5 to 0.6 cm).

*Peduncle.*—Length: Avg. 3.3 cm (2.2 to 4.5 cm).

Diameter: Avg. 0.18 cm (0.15 to 0.2 cm). Color: Yellow-Green (144C). Surface texture: Glabrous.

## Reproductive organs:

*Gynoecium.*—Pistil number: 1 aggregate of 9-14 pistils. Pistil length: 0.5 cm. Style length: 0.2 cm. Style color: Yellow-Green (145C).

*Androecium.*—Stamen number: 12 to 36. Stamen length: 0.2 cm Stamen width: 0.1 cm. Stamen color: Green-White (1574). Pollen color: White (155B). Pollen abundance: Moderate.

## Fruit and seed:

*Fruit type.*—Star-shaped, woody follicetum.

*Fruit diameter.*—Avg. 2.3 cm (2.0 to 2.8 cm).

*Fruit color.*—Immature: Yellow-Green (N144A).

Mature: Brown (N200A).

*Seed number.*—Avg. 13 (9 to 14) per fruit.

*Seed size.*—Length: Avg. 0.8 cm (0.6 to 0.9 cm). Width: Avg. 0.4 cm (0.3 to 0.5 cm).

Roots: Soft, fibrous young roots, woody older roots (greyed-brown, RHS 199D).

Disease and insect resistance: No significant disease or insect pests have been observed.

Cold hardiness: At least USDA zone 6a; testing has not been completed in colder zones.

## COMPARISON WITH COMMERCIAL CULTIVARS

Table 1 shows distinguishing characteristics between 'NCIH2' and other cultivars. 'NCIH2' is distinguished from *Illicium* 'Woodland Ruby' by having a more compact habit, white flowers, and more remontant flowering. 'NCIH2' is distinguished from *Illicium* 'NCIH1' (U.S. Plant patent application Ser. No. 15/330,894) in that 'NCIH2' has white flowers and 'NCIH1' has red flowers.

TABLE 1

Trait	Comparison to commercial cultivars.		
	Taxa		
	<i>Illicium</i> 'Woodland Ruby' (unpatented)	<i>Illicium</i> 'NCIH1'	<i>Illicium</i> 'NCIH2'
Flowering season	Mostly April-May	Remontant. Mostly in April-May and September-November	Remontant. Mostly in April-May and September-November
Plant habit and size	Upright to 2 m tall and 1.5 in wide	Upright to 1.5 m tall and 1 in wide	Upright to 1.5 in tall and 1 m wide
Branch length	Avg. 62 cm	Avg. a 30 cm	Avg. 29 cm

TABLE 1-continued

Comparison to commercial cultivars.			
Trait	Taxa		
	<i>Illicium</i> 'Woodland Ruby' (unpatented)	<i>Illicium</i> 'NCIH1'	<i>Illicium</i> 'NCIH2'
Petal color	Purplish Pink (RHS 63C to 67C)	Red-purple (RHS 60A)	Yellowish-White (RHS NN155A)
Leaf length	Avg. 10.6 cm	Avg. 9.9 cm	Avg. 12.3 cm

COMPARISON WITH FEMALE PARENT

*Illicium* 'NCIH2' is distinguished from its open-pollinated, female parent 2004-318, in that 'NCIH2' has white flowers, remontant flowering, and a compact habit, while 2004-318 has pink flowers (RHS 64C), does not have remontant flowering, is much larger growing exceeding 2M tall.

What is claimed:

1. A new and distinct hybrid *Illicium* plant named 'NCIH2' substantially as illustrated and described herein.

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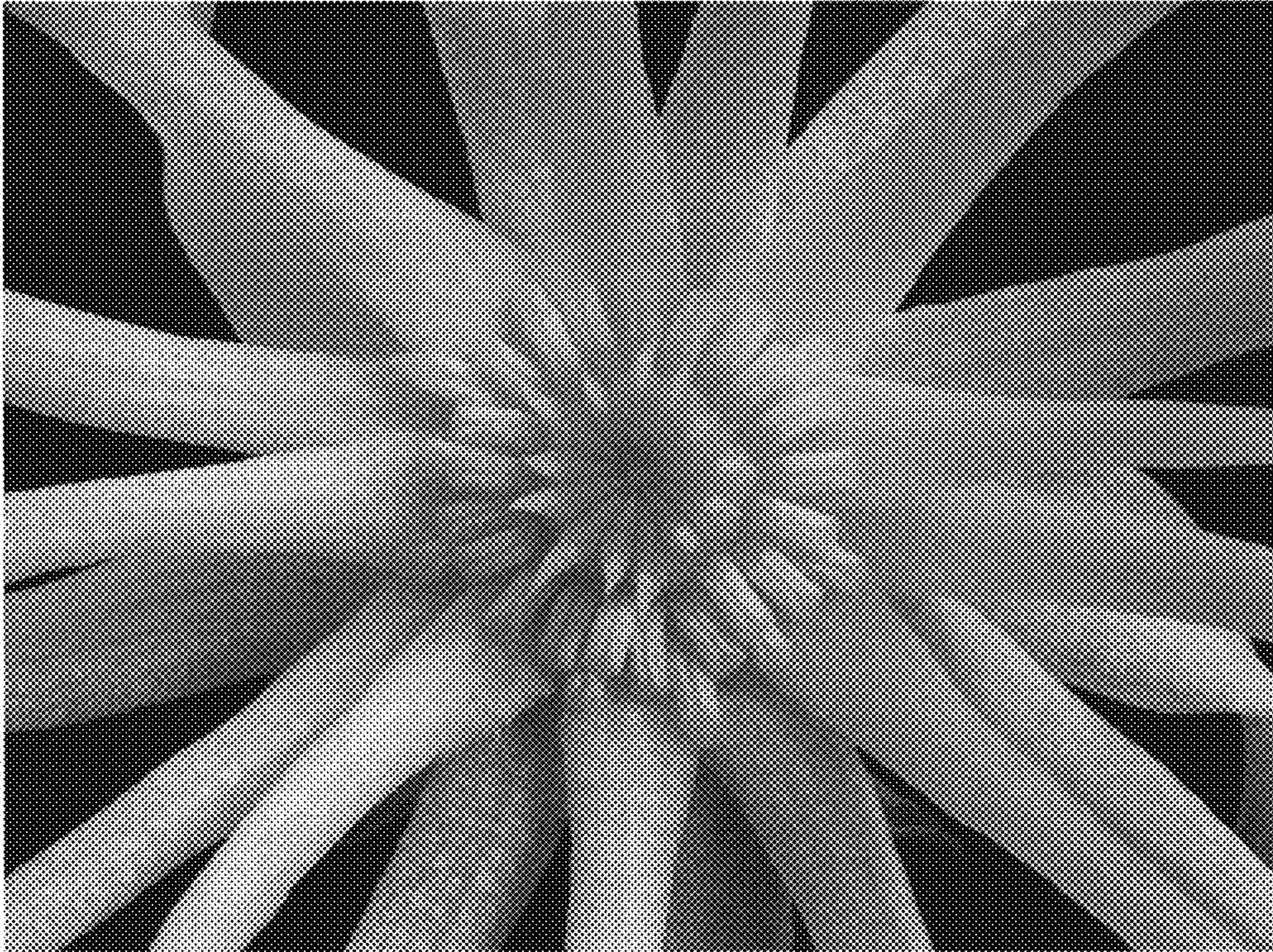
Fig. 1



Fig. 2.



Fig. 3



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

PATENT NO. : PP29,938 P3  
APPLICATION NO. : 15/330892  
DATED : December 4, 2018  
INVENTOR(S) : Thomas G. Ranney

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:

In the Specification

Column 1, Line 21:

Please correct "30°C. has" to read -- 30°C. 'NCIH2' has --

Column 3, Line 52:

Please correct "(1.2 to 1,9 cm)" to read -- (1.2 to 1.9 cm) --

Column 4, Line 9:

Please correct "(2,2 to 4.5 cm)" to read -- (2.2 to 4.5 cm) --

Column 4, Line 19:

Please correct "0.2 cm Stamen" to read -- 0.2 cm. Stamen --

Column 4, TABLE 1, Column 2, Lines 62-64:

Please correct "Upright to 2 m tall and 1.5 in wide" to read -- Upright to 2 m tall and 1.5 m wide --

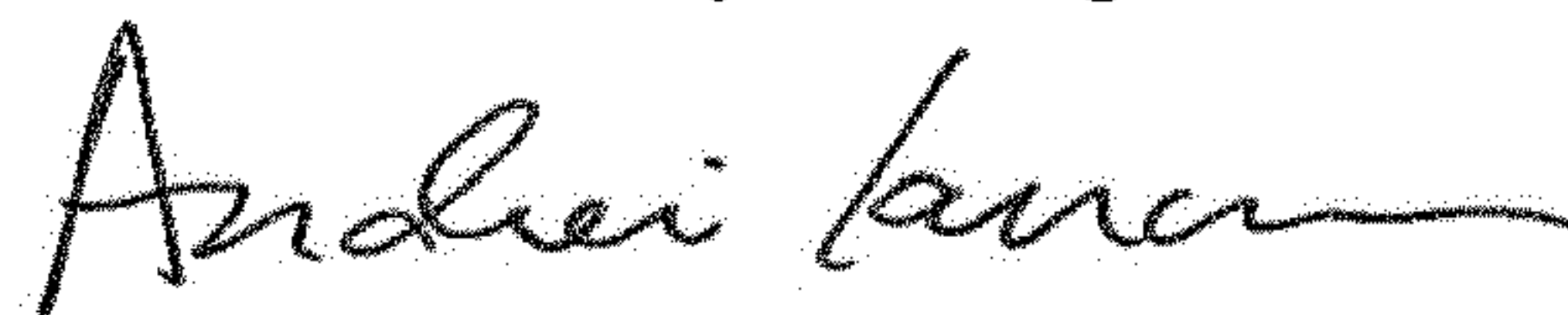
Column 4, TABLE 1, Column 3, Lines 62-63:

Please correct "Upright to 1.5 m tall and 1 in wide" to read -- Upright to 1.5 m tall and 1 m wide --

Column 4, TABLE 1, Column 3, Line 64:

Please correct "Avg. a 30 cm" to read -- Avg. 30 cm --

Signed and Sealed this  
Twentieth Day of August, 2019



Andrei Iancu  
Director of the United States Patent and Trademark Office