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

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(54) **ILEX PLANT NAMED ‘EN1’**

(50) Latin Name: *Ilex*×*hybrida*  
Varietal Denomination: EN1

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Ilex* plant named ‘EN1’, characterized by its compact, uniform and mounding plant habit; freely branching habit; dense and bushy growth habit; glossy medium green-colored leaves; and good garden performance.

**2 Drawing Sheets**

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Botanical designation: *Ilex*×*hybrida*.  
Cultivar denomination: ‘EN1’.

CROSS-REFERENCED TO CLOSELY-RELATED APPLICATIONS

Title: *Ilex* Plant Named ‘EN2’  
Applicant: Jack Mitchell Magee  
Filed: Feb. 9, 2016  
Application Ser. No. 14/998,741

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct *Ilex* plant, botanically known as *Ilex*×*hybrida* and hereinafter referred to by the name ‘EN1’.

The new *Ilex* plant is a product of a planned breeding program conducted by the Inventor in Poplarville, Miss. The objective of the breeding program was to develop new compact and uniform *Ilex* plants with mounding plant form.

The new *Ilex* plant originated from a cross-pollination during the spring of 2003 of an unidentified proprietary selection of *Ilex*×*hybrida*, not patented, as the female, or seed, parent with *Ilex*×*hybrida* ‘Conaf’, disclosed in U.S. Plant Pat. No. 9,487, as the male, or pollen, parent. The new *Ilex* plant was discovered and selected by the Inventor in 2005 as a single plant within the progeny of the stated cross-pollination in a controlled environment in Poplarville, Miss.

Asexual reproduction of the new *Ilex* plant by softwood cuttings in Poplarville, Miss. since 2006 has shown that the unique features of the new *Ilex* plant are stable and reproduced true to type in successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

Plants of the new *Ilex* have not been observed under all possible combinations of environmental conditions and cul-

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tural practices. The phenotype may vary somewhat with variations in environmental conditions such as temperature 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 ‘EN1’. These characteristics in combination distinguish ‘EN 1’ as a new and distinct *Ilex* plant:

1. Compact, uniform and mounding plant habit.
2. Freely branching habit; dense and bushy growth habit.
3. Glossy medium green-colored leaves.
4. Good garden performance.

Plants of the new *Ilex* differ from plants of the female parent selection in the following characteristics:

1. Plants of the new *Ilex* are more uniform and denser than plants of the female parent selection.
2. Plants of the new *Ilex* have better leaf retention than plants of the female parent selection.

Plants of the new *Ilex* differ from plants of the male parent, ‘Conaf’, in the following characteristics:

1. Plants of the new *Ilex* are more compact and mounding than plants of ‘Conaf’.
2. Plants of the new *Ilex* have smaller leaves than plants of ‘Conaf’.

Plants of the new *Ilex* can be compared to plants of *Ilex*×*hybrida* ‘EN2’, disclosed in U.S. Plant patent application Ser. No. 14/998,741. Plants of the new *Ilex* differ from plants of ‘EN2’, in the following characteristics:

1. Plants of the new *Ilex* are shorter than plants of ‘EN2’.
2. Plants of the new *Ilex* are less vigorous than plants of ‘EN2’.
3. Plants of the new *Ilex* are less freely branching than plants of ‘EN2’.

Plants of the new *Ilex* can be compared to the plants of *Ilex*×*meservaea* ‘Blue Princess’, not patented. In side-by-side comparisons conducted in Poplarville, Miss., plants of the new *Ilex* differed from plants of ‘Blue Princess’ in the following characteristics:

1. Plants of the new *Ilex* were more compact, mounding and uniform than plants of ‘Blue Princess’.

2. Plants of the new *Ilex* had larger leaves than plants of 'Blue Princess'.
3. Plants of the new *Ilex* and 'Blue Princess' differed in fruit color as plants of 'Blue Princess' had darker red-colored fruits.

Plants of the new *Ilex* can be compared to the plants of *Ilexmeservaea* 'Mesog', disclosed in U.S. Plant Pat. No. 4,878. In side-by-side comparisons conducted in Poplarville, Miss., plants of the new *Ilex* differed from plants of 'Mesog' in the following characteristics:

1. Plants of the new *Ilex* had larger leaves than plants of 'Mesog'.
2. Plants of the new *Ilex* and 'Mesog' differed in fruit color as plants of 'Mesog' had darker red-colored fruits.

Plants of the new *Ilex* can also be compared to the plants of *Ilexmeserveae* 'Magland', disclosed in U.S. Plant Pat. No. 4,878. In side-by-side comparisons conducted in Poplarville, Miss., plants of the new *Ilex* differed from plants of 'Magland' in the following characteristics:

1. Plants of the new *Ilex* were more mounding than and not as upright and pyramidal as plants of 'Magland'.
2. Plants of the new *Ilex* were smaller with shorter internodes than plants of 'Magland'.
3. Plants of the new *Ilex* had smaller and glossier leaves than plants of 'Magland'.
4. Plants of the new *Ilex* were more freely flowering and fruiting than plants of 'Magland'.
5. Plants of the new *Ilex* and 'Magland' differed in fruit color as plants of 'Magland' had lighter red-colored fruits.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Ilex* plant. The photographs show 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 botanical description, which accurately describe the colors of the new *Ilex* plant.

The photograph on the first sheet is a side perspective view of a typical plant of 'EN1'.

The photograph on the second sheet is a close-up view of a stem of 'EN1' with leaves and developed fruits.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations and measurements describe plants grown during the autumn in #7 containers in a polypropylene-covered shade-house in Park Hill, Okla. and under cultural practices typical of commercial *Ilex* production. During the production of the plants, day temperatures averaged 23° C. and night temperatures averaged 9° C. Plants were eight years old when the photographs and detailed description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Ilexxhybrida*'EN1'.

Parentage:

*Female, or seed, parent.*—Unidentified proprietary selection of *Ilexxhybrida*, not patented.

*Male, or pollen, parent.*—*Ilexxhybrida* 'Conaf', disclosed in U.S. Plant Pat. No. 9,487.

Propagation:

*Type.*—By softwood cuttings.

*Time to initiate roots, summer.*—About three weeks at temperatures about 32° C.

*Time to initiate roots, winter.*—About six weeks at temperatures about 5.5° C.

*Time to produce a rooted young plant, summer.*—About four months at temperatures about 32° C.

*Time to produce a rooted young plant, winter.*—About six months at temperatures about 5.5° C.

*Root description.*—Medium in thickness, fleshy; typically white in color, actual color of the roots is dependent on substrate composition, water quality, fertilizer type and formulation, substrate temperature and physiological age of roots.

*Rooting habit.*—Freely branching; medium density.

Plant description:

*Plant and growth habit.*—Perennial shrub; compact, uniform and mounding plant habit; moderately vigorous growth habit.

*Branching habit.*—Freely branching habit; dense and bushy growth habit with about 23 lateral branches developing per plant.

*Plant height.*—About 2.4 meters to 3 meters.

*Plant diameter, area of spread.*—About 2.4 meters to 3 meters.

*Lateral branch description.*—Length: About 30.5 cm. Diameter: About 1.3 cm to 3.2 cm. Internode length: About 2 cm. Strength: Strong; stiff, not flexible. Texture: Smooth, glabrous. Color: Close to 165A.

*Leaf buds.*—Length: About 2 mm. Diameter: About 2 mm. Texture: Smooth, glabrous. Color: Close to 187A.

*Leaf description.*—Arrangement: Alternate, simple. Length: About 4.4 cm. Width: About 1.85 cm. Shape: Ovate. Apex: Acuminate. Base: Attenuate. Margin: Entire with spines. Venation pattern: Pinnate. Aspect: Mostly horizontal. Fragrance: None detected. Texture and luster, upper surface: Smooth, glabrous; glossy. Texture and luster, lower surface: Smooth, glabrous; matte. Color: Developing leaves, upper surface: Close to 143A; towards the margins, close to N77A. Developing leaves, lower surface: Close to 152C. Fully expanded leaves, upper surface: Close to N134A; venation, close to N144C. Fully expanded leaves, lower surface: Close to 141C; venation, close to 141C. Petioles: Length: About 7 mm. Diameter: About 2.25 mm. Aspect: About 45° from stem axis. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to N144C.

*Stipules.*—Stipule development has not been observed on plants of the new *Ilex*.

Flower description:

*Flower appearance and arrangement.*—Axillary rotate flowers arranged in clusters; flowers face upright to outwardly; flowers inconspicuous; about 15 to 20 flowers develop per lateral branch.

*Natural flowering season.*—Plants flower during the spring in Oklahoma.

*Flower longevity.*—Flowers last about four days on the plant; flowers not persistent.

*Fragrance.*—None detected.

*Flower diameter.*—About 4 mm by 3 mm.

*Flower length (height).*—About 2 mm.

*Flower buds*.—Length: About 1 mm to 2 mm. Diameter: About 1 mm. Shape: Ovoid. Color: Close to 200A.

*Petals*.—Quantity and arrangement: Four in a single whorl. Length: About 1.5 mm. Width: About 1.5 mm. Shape: Obovate. Apex: Obtuse. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper and lower surfaces: Close to 157A. Fully opened, upper and lower surfaces: Close to 157A; color does not change with development.

*Sepals*.—Quantity and arrangement: Four in a single whorl; fused at the base, imbricate. Length: About 1 mm. Diameter: About 1.5 mm. Shape: Ovate. Apex: Acute. Base: Truncate, fused. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 142B.

*Peduncles*.—Length: About 7 mm. Diameter: About 0.75 mm. Aspect: About 45° from stem axis. Strength: Strong; flexible. Texture: Smooth, glabrous. Color: Close to 141C.

*Reproductive organs*.—Androecium: Quantity per flower: About five. Filament length: About 1.5 mm. Filament color: Close to 142B. Anther length: About 1 mm. Anther shape: Spatulate. Anther color: Close

to 142B. Pollen amount: Moderate. Pollen color: Close to 2D. Gynoecium: Quantity per flower: One. Pistil length: About 2 mm. Style color: Close to 140B. Stigma shape: Globular with three lobes. Stigma color: Close to 142B. Ovary color: Close to 142B.

*Fruits*.—Length: About 7.5 mm. Diameter: About 5 mm. Shape: Ovoid. Texture: Smooth, glabrous. Color: Close to 44A.

*Seeds*.—Quantity per fruit: About four. Length: About 6 mm. Diameter: About 4 mm. Shape: Oblong. Texture: Smooth, glabrous. Color: Close to 152D.

Garden performance: Plants of the new *Ilex* have been observed to have good garden performance and to be tolerant to rain, wind and low temperatures about -23° C. Pathogen & pest resistance: Plants of the new *Ilex* have been observed to be resistant to root rots, *Phytophthora* and *Pythium*, and to be tolerant to Melon Aphids (*Aphis gossypii*) and Two-spotted Spider Mites (*Tetranychus urticae*).

It is claimed:

1. A new and distinct *Ilex* plant named 'EN1' as illustrated and described.

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