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Mislow

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(54) **AGLAONEMA PLANT NAMED ‘000-D2’**
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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.

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(56) **References Cited**
U.S. PATENT DOCUMENTS
PP7,633 P * 8/1991 Frazer Plt./88
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(57) **ABSTRACT**

A distinct cultivar of Aglaonema plant named ‘000-D2’, characterized by its mostly upright and somewhat outwardly arching growth habit; freely clumping habit, full and dense plants; long lanceolate leaves with acuminate apices; glossy tri-colored leaves with alternating chevrons of light green and medium and dark green with dark green midveins and margins; dark green-colored leaf petioles; and low temperature tolerance.

1 Drawing Sheet

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**BOTANICAL CLASSIFICATION/CULTIVAR
DENOMINATION**

Aglaonema hybrida cultivar 000-D2.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct cultivar of Aglaonema plant, botanically known as *Aglaonema hybrida* and hereinafter referred to by the name ‘000-D2’.

The new Aglaonema is the result of a planned breeding program conducted by the Inventor in Miami, Fla. The objective of the breeding program is to create new Aglaonema cultivars with unique leaf variegation patterns and interesting leaf shapes.

The new Aglaonema originated from a cross made by the Inventor in March, 1996 of the *Aglaonema hybrida* cultivar Gabrielle, not patented, as the female, or seed, parent with the *Aglaonema hybrid* cultivar Maria, not patented, as the male, or pollen, parent. The new Aglaonema was discovered and selected by the Inventor in October, 1996 as a single plant within the progeny of the stated cross in a controlled environment in Miami, Fla. The new Aglaonema was selected on the basis of its unique leaf variegation pattern.

Asexual propagation of the new cultivar by cuttings since November, 1997 in a controlled environment in Miami, Fla., has shown that the unique features of this new Aglaonema are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘000-D2’. These characteristics in combination distinguish ‘000-D2’ as a new and distinct cultivar:

1. Mostly upright and somewhat outwardly arching growth habit.
2. Freely clumping habit, full and dense plants.
3. Long lanceolate leaves with acuminate apices.

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4. Glossy tri-colored leaves with alternating chevrons of light green and medium and dark green spots with dark green midveins and margins.
5. Dark green-colored leaf petioles.
6. Low temperature tolerant.

In side-by-side comparisons conducted by the Inventor in Miami, Fla., plants of the new Aglaonema differed from plants of the female parent, the *Aglaonema hybrida* cultivar Gabrielle, in the following characteristics:

1. Plants of the new Aglaonema had smaller leaves than plants of the cultivar Gabrielle.
2. Leaves of plants of the new Aglaonema were more undulating and not as flat as leaves of plants of the cultivar Gabrielle.
3. Leaves of plants of the new Aglaonema and the cultivar Gabrielle differed in leaf variegation pattern and coloration.

In side-by-side comparisons conducted by the Inventor in Miami, Fla., plants of the new Aglaonema differed from plants of the male parent, the *Aglaonema hybrida* cultivar Maria, in the following characteristics:

1. Leaves of plants of the new Aglaonema were more undulating and not as flat as leaves of plants of the cultivar Maria.
2. Leaves of plants of the new Aglaonema and the cultivar Maria differed in leaf variegation pattern and coloration.

Compared to plants of the Aglaonema cultivar 000-D1, U.S. Plant Patent filed concurrently with this application, plants of the new Aglaonema are taller, more upright, have larger leaves, and differ in leaf and petiole coloration. Compared to plants of the Aglaonema cultivar 000-G2, U.S. Plant Patent filed concurrently with this application, plants of the new Aglaonema are more upright and differ in leaf and petiole coloration.

Plants of the new Aglaonema can be compared to plants of the Aglaonema cultivar Royal Ripple, disclosed in U.S. Plant Pat. No. 9,070. In side-by-side comparisons conducted by the Inventor in Miami, Fla., plants of the new Aglaonema

differed from plants of the *Aglaonema* cultivar Royal Ripple primarily in leaf pattern and coloration.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

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

The photograph at the top of the sheet comprises a side perspective view of a typical plant of '000-D2'.

The photograph at the bottom of the sheet comprises a close-up view of the upper surfaces of a typical young leaf (top) and fully expanded leaf (bottom) of the new *Aglaonema*.

DETAILED BOTANICAL DESCRIPTION

The cultivar 000-D2 has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity without, however, any variance in genotype.

The aforementioned photographs and following observations and measurements describe plants of the new *Aglaonema* that were grown in 25-cm containers, in Miami, Fla., from one spring to the next in a polyethylene-covered greenhouse with 80% polypropylene shade cloth. During the production of the plants, day temperatures averaged about 85° F. and night temperatures averaged about 75° F. Plants used for the photographs and description were about 12 months from planting. Color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Aglaonema hybrida* cultivar 000-D2.

Parentage:

Female, or seed, parent.—*Aglaonema hybrida* cultivar Gabrielle, not patented.

Male, or pollen, parent.—*Aglaonema hybrida* cultivar Maria, not patented.

Propagation:

Type.—By cuttings.

Time to initiate roots.—Summer: About 21 to 30 days at 85 to 95° F. Winter: About 30 to 45 days at 65 to 85° F.

Time to produce a rooted plant.—Summer: About 45 days at 85 to 95° F. Winter: About 60 to 75 days at 65 to 85° F.

Root description.—Thick, fibrous, fleshy, and freely-branching.

Plant description:

Appearance.—Erect when young, becoming mostly upright and somewhat outwardly arching as leaves develop; inverted triangle, symmetrical. Freely clumping habit give plants a very full and dense appearance. Appropriate for 25-cm containers.

Plant height.—About 70 cm.

Plant width.—About 82 cm.

Growth rate/vigor.—Vigorous, relatively rapid growth rate.

Stem color.—147A.

Branching habit.—Freely clumping habit; plants typically produce about 12 offshoots per plant; full and dense plants.

Foliage description.—Length: About 29.5 cm. Width: About 9.75 cm. Shape: Lanceolate. Apex: Acuminate, elongated. Base: Cordate to oblique. Margin: Entire, undulating. Orientation: Initially upright to outwardly arching. Aspect: Undulating. Texture: Mostly smooth, slightly rugose; glabrous; thick and leathery. Veins: Slightly recessed on upper surface and prominent on lower surface. Color: Young leaves, upper surface: Alternating light green and medium and dark green chevrons; light green and ground color, closest to 147C; medium green random spots, 146A to 146B; dark green random spots, darker than 146A; margins, darker than 146A; glossy. Young leaves, lower surface: 144A; glossy. Fully expanded leaves, upper surface: Alternating light green and medium and dark green chevrons; light green and ground color, closest to 147B, medium green random spots, lighter than 147A, dark green random spots, closest to, but slightly more green than 147A; margins, closest to, but slightly more green than 147A; glossy. Fully expanded leaves, lower surface: Between 147B and 146A; glossy. Venation, upper surface: Closest to, but slightly more green than 147A. Venation, lower surface: Between 147B and 146A. Petiole: Length: About 16.75 cm. Diameter, at leaf base: About 6 mm. Diameter, at stem attachment: About 2.1 cm. Wing length: About 12.5 cm. Wing width, at base: About 1.2 cm. Color: 147A with occasional random spots and flecking, 154D to 150D.

Inflorescence description: Inflorescence development has not been observed on plants of the new *Aglaonema* grown under shaded greenhouse production conditions.

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

Weather tolerance: Plants of the new *Aglaonema* have been observed to be tolerant to wind, rain and temperatures ranging from 48 to 100° F.

It is claimed:

1. A new and distinct cultivar of *Aglaonema* plant named '000-D2', as illustrated and described.

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