



(12) **United States Plant Patent**
Zaias-Fast

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(54) **POLYSCIAS PLANT NAMED ‘ARA8001’**

(50) Latin Name: *Polyscias balfouriana*
Varietal Denomination: **ARA8001**

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(US)

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patent is extended or adjusted under 35
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(58) **Field of Classification Search** **Plt./226,**
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Polyscias balfouriana* cultivar named
‘ARA8001’ is disclosed, characterized by a distinct foliage
variegation pattern, including a creamy yellow leaf margin
and deeply lobed leaves. Plant form of the new cultivar is
highly compact, with characteristically very slow growth.
The new variety is a *Polyscias*, and is normally used as an
ornamental plant.

1 Drawing Sheet

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Latin name of the genus and species: *Polyscias balfouri-*
ana.

Variety denomination: ‘ARA8001’.

BACKGROUND OF THE INVENTION

The new cultivar was discovered as a chance, whole plant
mutation in a commercial nursery in Bangkok, Thailand. The
inventor, Magaly Zaias, a citizen of the United States, discov-
ered the new variety as a whole plant mutation among several
plants of the unpatented commercial variety, *Polyscias bal-*
fouriana. The new variety was discovered in April 2007 by
the inventor.

Asexual reproduction of the new cultivar ‘ARA8001’ by
vegetative cuttings was performed at a commercial nursery in
Bangkok Thailand in early 2008. Since that time, many gen-
erations have been reproduced, and have shown that the
unique features of this cultivar are stable and reproduced true
to type through successive generations.

SUMMARY OF THE INVENTION

The cultivar ‘ARA8001’ has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture, 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 ‘ARA8001.’
These characteristics in combination distinguish ‘ARA8001’
as a new and distinct *Polyscias balfouriana* cultivar:

1. Distinctive foliage variegation pattern unlike other
known *Polyscias balfouriana* cultivars.
2. Unique deeply lobed foliage.
3. Extremely compact plant growth.

PARENT COMPARISON

Plants of the new cultivar ‘ARA8001’ are similar to plants
of the parent variety *Polyscias balfouriana* in most horticul-

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tural characteristics. However, plants of the new cultivar
‘ARA8001’ produce foliage of a brighter green, with a con-
sistently thicker cream colored margin, and deep lobes. Addi-
tionally, the new variety grows much more slowly and pro-
duces much more compact plants.

COMMERCIAL COMPARISON

In addition to the parent variety, ‘ARA8001’ can also be
compared to the unpatented, commercially known variety
Polyscias fruticosa. The new variety produces foliage with
deeper lobes and more marginal variegation. Additionally
‘ARA8001’ grows more slowly, and produces compact, less
open plants.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph in FIG. 1 illustrates in full
color a typical plant of ‘ARA8001’ grown in a greenhouse.
The pot size is a commercial 4 cm container. The plant shown
is approximately 8 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 tech-
niques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The Royal Horticultural Society Colour Chart except where
general terms of ordinary dictionary significance are used.
The following observations and measurements describe
‘ARA8001’ plants grown in a climate controlled greenhouse
in Apopka, Fla., USA. Temperatures ranged from 18° C. to
22° C. at night to 18° C. to 22° C. during the day. The plant
was pinched at approximately 2 months after rooting, to
encourage branching. No artificial light, photoperiodic treat-
ments or chemical treatments were given to the plants. Mea-
surements and numerical values represent averages of typical
plant types.

Botanical classification: *Polyscias balfouriana* ‘ARA8001.’

PROPAGATION

Time to rooting: About 20 days at approximately 25° C.
Root description: Fine, semi-woody, free-branching roots.

PLANT

Growth habit: Upright, tender perennial.
Height: Approximately 24 cm from soil level of pot.
Plant spread: Approximately 12 cm.
Growth rate: Slow.
Branching characteristics: One main stem, after pinch 6 to 8 major lateral branches.
Diameter of main stem: Approximately 0.6 cm.
Internode length: Average 0.5 cm.
Texture of main stem: Rough, no pubescence.
Color of main stems: Near RHS Greyed-Yellow 160D.
Stem strength: Strong and somewhat flexible.
Diameter of lateral branches: Approximately 0.3 cm.
Length of lateral branches: Approximately 7 cm.
Texture of lateral branches: Smooth, no pubescence.
Color of lateral branches: Near RHS Green 141B.
Number of leaves per lateral branch: Average 6.
Age of plant described: Approximately 8 months.
Pot size of plant described: 4 inches.

FOLIAGE

Leaf:
Arrangement.—Alternate, odd-pinnately compound. 5 leaflets per leaf.
Average length.—Approximately 4.5 cm.
Average width.—Approximately 3.3 cm. Leaflet Average Length: 1.6 cm. Leaflet Average Width: 1.5 cm.
Shape of blade.—Overall shape broad oval with irregularly shaped, deeply incised leaflets.
Aspect.—Slightly cupped up, with moderate overall undulation.
Apex.—Acute.
Base.—Sagittate.
Attachment.—Stalked.
Margin.—Irregularly dentate.
Texture of top surface.—Smooth, glossy, leathery.
Texture of bottom surface.—Smooth, glossy, leathery.

Color.—Young foliage upper side: Near RHS Green 143B with margin near Yellow-Green N144D. Young foliage under side: Near RHS Green 143A. Mature foliage upper side: Near RHS Green 137A with margin near Yellow-Green 150D. Lighter colored margin width approximately 0.2 to 0.5 cm. Mature foliage under side: Near RHS Green 137D with margin near Yellow 4D. Lighter colored margin width approximately 0.1 to 0.5 cm.
Venation.—Type: Pinnate. Color: Upperside: Near RHS Green 137D. Underside: Near RHS Green 137A.

Petiole:
Length.—Average 1.8 cm.
Width.—Average 0.1 cm.
Coloration.—Near RHS Green 137A.
Texture.—Smooth, glossy.
Strength.—Soft, flexible.
Leaflet petiole:
Length.—Average 0.5 cm.
Width.—Average 0.1 cm.
Coloration.—Near RHS Green 143A.
Texture.—Smooth, glossy.
Strength.—Soft, flexible.

FLOWER

Flowering not observed to date.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to diseases or pests normal to *Polyscias* has been observed in this variety.
Drought tolerance and temperature tolerance: Very tender perennial, low temperature damage occurs near 5° C. Tolerates high temperature to at least 40° C. Good tolerance of humid conditions. No drought tolerance, plants will begin to defoliate if soil allowed to become completely dry for 2 or more days.
Fruit/seed production: Fruits and seeds have not been observed.
What is claimed is:
1. A new and distinct cultivar of *Polyscias* plant named ‘ARA8001’ as herein illustrated and described.

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Fig. 1