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Bernuetz

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(54) **SCAEVOLA PLANT NAMED 'BONSCALIB'**

(52) **U.S. Cl.** **Plt./363**

(50) Latin Name: *Scaevola aemula*
Varietal Denomination: **Bonscalib**

(58) **Field of Classification Search** **Plt./363**
See application file for complete search history.

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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.

(57) **ABSTRACT**

A new and distinct cultivar of *Scaevola* plant named
'Bonscalib', characterized by its compact, mounded and
semi-trailing plant habit; freely branching habit; early and
freely flowering habit; long flowering period; light violet-
colored flowers; and good garden performance.

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

1 Drawing Sheet

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Botanical designation: *Scaevola aemula*.
Cultivar denomination: 'Bonscalib'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Scaevola*, botanically known as *Scaevola aemula*, and
hereinafter referred to by the name 'Bonscalib'.

The new *Scaevola* is a product of a planned breeding pro-
gram conducted by the Inventor in Yellow Rock, New South
Wales, Australia. The objective of the breeding program is to
create new freely-flowering *Scaevola* cultivars with attrac-
tive flower coloration.

The new *Scaevola* originated from an open-pollination in
Yellow Rock, New South Wales, Australia in March/April,
2003 of a proprietary selection of *Scaevola aemula* identi-
fied as code number 00-38.1, not patented, as the female, or
seed, parent with an unknown proprietary selection of *Scae-
vola aemula*, as the male, or pollen, parent. The cultivar
Bonscalib was discovered and selected by the Inventor as a
flowering plant within the progeny of the stated open-
pollination in a controlled environment in Yellow Rock, New
South Wales, Australia.

Asexual reproduction of the new *Scaevola* by vegetative
cuttings in a controlled environment in Yellow Rock, New
South Wales, Australia since December, 2004, has shown
that the unique features of this new *Scaevola* are stable and
reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Bonscalib has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment and cultural prac-
tices 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 'Bon-
scalib'. These characteristics in combination distinguish
'Bonscalib' as a new and distinct cultivar of *Scaevola*:

1. Compact, mounded and semi-trailing plant habit.
2. Freely branching habit.
3. Early and freely flowering habit.
4. Long flowering period.
5. Light violet-colored flowers.
6. Good garden performance.

Plants of the new *Scaevola* can be compared to plants of
the female parent selection. Plants of the new *Scaevola* differ
from plants of the female parent selection in the following
characteristics:

1. Plants of the new *Scaevola* are more compact and
denser than plants of the female parent selection.
2. Plants of the new *Scaevola* flower earlier than plants of
the female parent selection.

Plants of the new *Scaevola* can be compared to plants of
the *Scaevola aemula* cultivar Cool Sapphire, not patented. In
side-by-side comparisons conducted in Yellow Rock, New
South Wales, Australia, plants of the new *Scaevola* differed
from plants of the cultivar Cool Sapphire in the following
characteristics:

1. Plants of the new *Scaevola* were more compact than
plants of the cultivar Cool Sapphire.
2. Stems of plants of the new *Scaevola* were pubescent
whereas stems of plants of the cultivar Cool Sapphire
were glabrous.
3. Plants of the new *Scaevola* had shorter leaves than
plants of the cultivar Cool Sapphire.
4. Plants of the new *Scaevola* had larger flowers than
plants of the cultivar Cool Sapphire.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new *Scaevola*, showing the colors
as true as it is reasonably possible to obtain in colored repro-
ductions 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
Scaevola.

The photograph at the top of the sheet comprises a side perspective view of a typical flowering plant of 'Bonscalib' grown in a container.

The photograph at the bottom of the sheet is a close-up view of typical flowers and leaves of 'Bonscalib'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown in Higashiomi, Shiga, Japan in containers in an outdoor nursery during the summer and under conditions which closely approximate commercial production. During the production of the plants, day temperatures averaged 23° C. and night temperatures averaged 13° C. Plants were about five months old when the photographs and the description were taken. In the 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: *Scaevola aemula* cultivar Bonscalib.

Parentage:

Female, or seed, parent.—Proprietary selection of *Scaevola aemula* identified as code number 00-38.1, not patented.

Male or pollen parent.—Unknown proprietary selection of *Scaevola aemula*, not patented.

Propagation:

Type.—By vegetative cuttings.

Time to initiate roots.—About ten days at 20° C. to 25° C.

Time to develop roots.—About four weeks at 20° C. to 25° C.

Root description.—Fine, fibrous; light brown in color.

Rooting habit.—Freely branching.

Plant description:

Plant form and growth habit.—Compact, mounded and semi-trailing plant habit. Vigorous growth habit.

Branching habit.—Freely branching, lateral branches potentially forming at every node.

Plant height.—About 10.9 cm.

Plant diameter (area of spread).—About 42.4 cm.

Lateral branch description:

Length.—About 24.4 cm.

Diameter.—About 3.3 mm.

Internode length.—About 2.2 cm.

Texture.—Pubescent.

Color.—Close to 145A overlain with N199B.

Foliage description:

Arrangement.—Alternate, simple; sessile.

Length.—About 4.1 cm.

Width.—About 1.8 cm.

Shape.—Obovate to narrowly spatulate.

Apex.—Acute.

Base.—Obtuse to cuneate.

Margin.—Serrate.

Texture, upper and lower surfaces.—Pubescent; slightly coarse.

Venation pattern.—Pinnate, reticulate.

Color.—Developing foliage, upper surface: Close to 137C. Developing foliage, lower surface: Close to 138B. Fully expanded foliage, upper surface: Close to 137B; venation, 145A. Fully expanded foliage, lower surface: Close to 138B; venation, 145A.

Flower description:

Flower type and shape.—Zygomorphic, semi-circular, fan-shaped flowers with five petals fused at the base to form a tubular flower throat. Flower throat open along the upper surface exposing reproductive organs. Flowers not fragrant.

Flower arrangement and quantity.—Solitary sessile flowers arise from leaf axils. Flowers face mostly outwardly. Freely flowering habit, typically about nine flowers per lateral branch.

Flowering time.—Plants begin flowering after about four weeks and flower continuously from spring to late autumn in Australia. Flowers typically last about a week on the plant. Flowers persistent.

Flower buds.—Shape: Elongated ovate. Length: About 1.5 cm. Diameter: About 2.7 mm. Color: Close to N77C.

Flowers.—Diameter: About 1.7 cm by 3 cm. Depth: About 2.2 cm. Tube length: About 1.1 cm. Tube diameter: About 3.5 mm.

Petals.—Quantity: Five, fused at base. Shape: Lanceolate. Apex: Cuspidate. Margin: Entire. Length, above tube: About 1.4 cm. Width, above tube: About 5 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening and fully opened, upper surface: Close to 84A; towards the base, 154D. When opening and fully opened, lower surface: Close to N87D; longitudinal central stripe, 155C. Throat: Close to 154C; venation, close to 187A. Tube: Close to 154C; venation, close to 187A.

Sepals.—Quantity: Two per flower. Length: About 7 mm. Width: About 1.1 mm. Shape: Lanceolate. Apex: Acute. Base: Obtuse. Margin: Entire. Texture, upper and lower surfaces: Slightly pubescent. Color, upper and lower surfaces: 137C.

Reproductive organs.—Androecium: Stamen quantity per flower: About five. Anther shape: Ellipsoidal. Anther size: About 2.4 mm by 1.2 mm. Anther color: Close to 174B. Pollen: Scarce. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1.4 cm. Style color: Close to 157A. Stigma shape: Oblong. Stigma color: Close to 155D. Ovary color: Close to 144A.

Seeds/fruits.—Seed and fruit development have not been observed.

Garden performance: Plants of the new *Scaevola* have been observed to have good garden performance and to tolerate rain, wind and temperatures ranging from about 5° C. to about 35° C.

Pathogen/pest resistance: Plants of the new *Scaevola* have not been shown to be resistant to pathogens and pests common to *Scaevola*.

It is claimed:

1. A new and distinct *Scaevola* plant named 'Bonscalib' as illustrated and described.

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