



US00PP18129P3

(12) **United States Plant Patent**
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(10) **Patent No.:** **US PP18,129 P3**
(45) **Date of Patent:** **Oct. 16, 2007**

(54) **VARIETY OF JAPANESE BLACK PINE**
NAMED KANEMI

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

(50) Latin Name: *Pinus thumbergiana*
Varietal Denomination: **Kanemi**

(52) **U.S. Cl.** **Plt./213**

(58) **Field of Classification Search** Plt./213
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 variety of *Pinus thumbergiana* named
'Kanemi', being distinctively different, smaller in size and
with shorter needles, than known *Pinus thumbergiana* cul-
tivars.

(21) Appl. No.: **11/332,552**

(22) Filed: **Jan. 12, 2006**

(65) **Prior Publication Data**

US 2007/0163019 P1 Jul. 12, 2007

3 Drawing Sheets

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Classification: The present invention relates to a new
Pinus thumbergiana plant.

Variety denomination: The new plant has the varietal
denomination 'Kanemi'.

BACKGROUND

This invention relates to a new and distinct variety of *P.*
thumbergiana plant named 'Kanemi', discovered as a sport
in a controlled planting of Japanese Black Pine in Nipomo,
Calif. The sport parent is unknown. The new variety was
discovered in approximately 2001 in a planted row of
Japanese Black Pine, all of the same age, when it was
observed that one of the plants was distinctively different,
smaller in size and with shorter needles.

SUMMARY OF THE INVENTION

Among the features which distinguish the new variety
from other presently available and commercial Japanese
Black Pine cultivars known to the inventor are the following
combination of characteristics:

1. Smaller size than same-aged members of other Japa-
nese Black Pine cultivars; after 1–2 years growth,
plants of the new variety have an average height of
approximately 70 cm while other Japanese Black Pine
cultivars of the same age have an average height of
approximately 142 cm to 213 cm.
2. Smaller trunk diameter, with 1- to 2-year old plants of
the new variety having an average trunk diameter of
approximately 1.6 cm while other Japanese Black Pine
cultivars of the same age have an average trunk diam-
eter of approximately 3.5 cm to 5.7 cm.
3. Shorter needle length, with 1- to 2-year old plants of the
new variety having an average needle length of
approximately 12.5 mm to 25 mm, while other Japa-
nese Black Pine cultivars of the same age have an
average needle length of approximately 10 cm to 15.2
cm.

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Asexual reproduction of the new variety 'Kanemi' by
grafting on a regular Japanese Black Pine *P. thumbergiana*
rootstock was performed in Nipomo, Calif., and shows that
the foregoing and other distinguishing characteristics come
true to form and are established and transmitted through
succeeding asexual propagations.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a close-up of the new variety.

FIG. 2 shows the new variety growing along side
commercially-available Japanese Black Pine cultivars of the
same age.

FIG. 3 shows the new variety grafted onto a
commercially-available Japanese Black Pine cultivar, illus-
trating the difference in needle-length.

DETAILED DESCRIPTION OF THE INVENTION

The following detailed description of the new variety is
based upon observations taken of ten year old plants grown
outdoors in fields in Nipomo, Calif., with a range of day
temperatures from 60° to 85° F., and a range of night
temperatures from 30° to 55° F.

The following description is in accordance with UPOV
terminology and the color terminology herein is in accor-
dance with The Royal Horticultural Society Colour Chart
(R.H.S.). The color descriptions and other phenotypical
descriptions may deviate from the stated values and descrip-
tions depending upon variation in environmental, seasonal,
climatic and cultural conditions.

Plant:

Shape.—Normal shape of the new variety is pyramidal,
but is typically pruned to become a bonsai. The tree
has a long leader at top and all branching is low, as
shown in FIGS. 1 and 2.

Height.—About 70 cm.

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Diameter.—About 22 cm.

Growth rate.—Slower than found in other Japanese Black Pine varieties.

Roots:

Time to initiate.—About 2 to 4 weeks.

Form.—Roots start out fine, becoming larger as plant grows. New fine roots develop from older roots.

Trunk:

Diameter.—Trunk is about 18 mm at 25 mm from soil level narrowing to 10 mm at 30 cm from soil level.

Texture.—Rough, slightly raised bark structure.

Color.—Greyed-green varying around Group 188B–D.

Branches:

Habit.—Branches grow approximately 3 to 4 cm, then new branch shoots form, radiating from the older branch.

Number.—Typically 10 lateral branches are observed (some are pruned to provide the bonsai shape).

Length.—About 6 to 12 cm.

Diameter.—About 4 to 5 mm.

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Internode length.—About 3 to 4 cm.

Color.—Greyed-green varying around Group 188B–D.

Foliage:

Needle arrangement.—Two needles per sheath, as shown in FIG. 3.

Size.—Needle length varies from about 1 cm in new growth to about 2 cm for needles aged one year or older.

Cones: Cones form, but seeds have not yet been collected.

Dimensions.—Unopened cone is 20 mm long and 15 mm in diameter.

Shape.—Ovoidal.

Color.—Greyed-orange varying around Group 164C–D.

I claim:

1. A new and distinct variety of *Pinus thumbergiana* tree, identified as ‘Kanemi’, substantially as shown and described.

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FIG. 1





FIG. 2

FIG. 3

