



APPLICATIONS UNDER EXAMINATION

STRAWBERRY

STRAWBERRY (*Fragaria ×ananassa*)

Proposed denomination: 'BC922085'
Application number: 09-6753
Application date: 2009/10/23
Applicant: Agriculture & Agri-Food Canada, Agassiz, British Columbia
Agent in Canada: Okanagan Plant Improvement Corporation (PICO), Summerland, British Columbia
Breeder: Chaim Kempler, Agriculture & Agri-Food Canada, Agassiz, British Columbia

Varieties used for comparison: 'Totem' and 'Puget Reliance'

Summary: *Leaf colour of upper side is medium green in 'BC922085' while it is light green in 'Puget Reliance'. Position of inflorescence in relation to foliage is beneath in 'BC922085' while it is at the same level in the reference varieties. The attitude of the hairs on the pedicel of 'BC922085' is upwards while it is slightly outwards in the reference varieties. The diameter of calyx in relation to diameter of fruit of 'BC922085' is slightly smaller while it is slightly larger in the reference varieties. The fruit core of 'BC922085' is light red while it is medium red in 'Totem'. The fruit cavity of 'BC922085' is medium sized while it is absent or small in 'Puget Reliance'.*

Description:

PLANT: upright growth habit, medium foliage density, medium to strong vigour, not remontant

STOLON: medium number of stolon, absent or very weak anthocyanin colouration, medium density of pubescence

LEAF: medium to large size, medium green on upper side, absent or very weak blistering, medium glossiness, variegation absent

TERMINAL LEAFLET: moderately longer than wide, obtuse base, serrate to crenate margin, concave in cross section

PETIOLE: medium to long, hair attitude horizontal, absent or very weak anthocyanin colouration of stipules

FLOWERING: time of beginning is medium

INFLORESCENCE: positioned beneath foliage, medium to many number of flowers, upwards hair attitude on pedicel

FLOWER: calyx diameter same size as the corolla, stamens absent

PETALS: overlapping, as long as they are wide, white

FRUIT: moderately longer than they are broad, medium size, conical shape, dark red, even or very slightly uneven colour, medium to strong glossiness, even or very slightly uneven surface, absent or very narrow to narrow band without achenes

ACHENES: insertion below surface of fruit

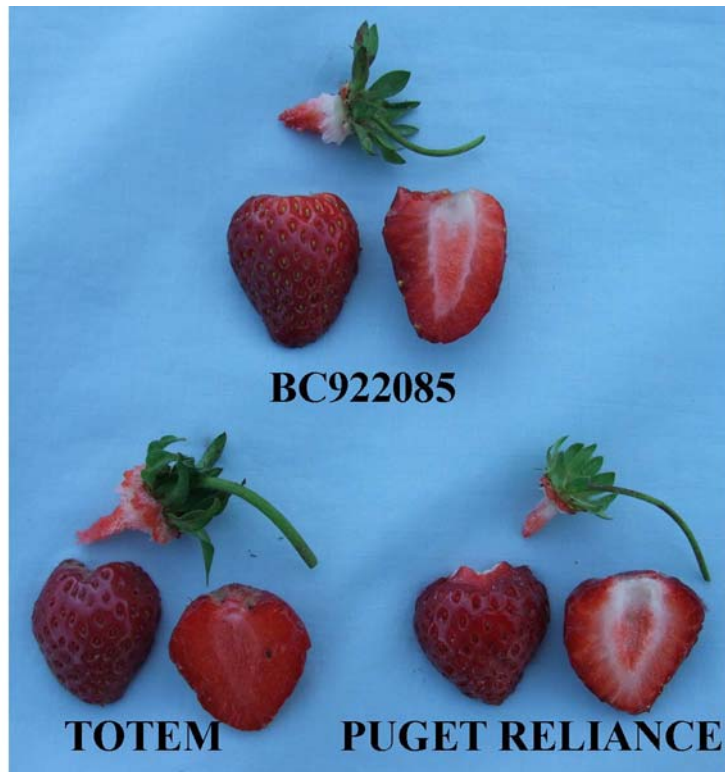
CALYX: insertion set level to raised with fruit, outwards pose of segments, diameter slightly smaller than fruit diameter, medium adherence to fruit

FRUIT FLESH: firm, medium red, light red core, medium size cavity

FRUIT HARVEST: time of beginning of ripening is early to medium

Origin and Breeding: 'BC922085' is the result of a cross made in 1992 between 'Cavendish' and 'Nanaimo' at the Pacific Agri-Food Research Centre, Abbotsford substation, British Columbia. The selection criteria used were fruit appearance, taste, flesh texture, harvest timing, plant quality, productivity, precocity, and disease resistance.

Tests and Trials: Trials for 'BC922085' were conducted at the Pacific Agri-Food Research Centre, Abbotsford Substation, British Columbia during 2009 and 2010. The trial included 32 plants per variety planted in 4 replication plots. The plant spacing was 0.3 metres between plants and 1.2 metres between the rows.



Strawberry: 'BC922085' (top, centre) with reference varieties 'Totem' (bottom, left) and 'Puget Reliance' (bottom, right)
