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(71) Applicants (for all designated States except US): ALLRAD NO.1 PTY. LTD. [AU/AU]; C/o Brown Brothers Milawa Vineyard Pty. Ltd., Milawa, VIC 3678 (AU). FLORIGENE INVESTMENTS PTY. LTD. [AU/AU]; 16 Gipps Street, Collingwood, VIC 3066 (AU).			
(72) Inventors; and (75) Inventors/Applicants (for US only): MICHAEL, Michael, Zenon [AU/AU]; 15 Goodwin Street, West Preston, VIC 3072 (AU). GRAHAM, Michael, Wayne [AU/AU]; 13 Worral Street, Holt, ACT 2615 (AU). CORNISH, Edwina, Cecily [AU/AU]; Lot 33 Leadbetter Road, Upper Beaconsfield, VIC 3808 (AU). GUTTERSON, Neal, Ira [US/US]; 5169 Golden Gate Avenue, Oakland, CA 94618 (US). TUCKER, William, Tinsley [US/US]; 24 Camellia Drive, Oakland, CA 94602 (US).			
(74) Agents: HUGHES, E., John, L. et al.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).			Published With international search report.
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(57) Abstract The present invention relates generally to transgenic plants which exhibit prolonged post-harvest life properties. More particularly, the present invention is directed to transgenic carnation plants modified to reduce expression of one or more enzymes associated with the ethylene biosynthetic pathway. Flowers of such carnation plants do not produce ethylene, or produce ethylene in reduced amounts, and are, therefore, capable of surviving longer post-harvest than flowers of non-genetically modified, naturally-occurring carnation plants.			