Novel Melon Plants – by Syngenta

patent number:	EP1587933
applicant:	Syngenta Participations AG
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patent granted:	28.02.2008
opposition:	12./13.5.2009 - Rijk Zwaan and De Ruiter Seeds (De Ruiter has later been taken over by Monsanto and has withdrawn their Opposition)
oral proceedings:	Decision (published 19.04.2011): Account beeing taken of amendments made by the patent proprietor [deleting one out 36 patent claims] during the opposition proceedings, the patent and the invention to which it relates are found to meet the requirements of the European Patent Convention.
Field of the invention:	The present invention relates to novel plants, in particular to melon plants capable of producing fruits with a new pleasant taste. In particular, the fruits of the melon plants of the present invention have altered organic acid contents, lower pH when compared to current commercial sweet melon fruits, and high sugar contents.
Claims:	(selection) 1. A C. melo plant capable of producing fruit, wherein said fruit comprises at maturity: a) 400 mg to 1,200 mg citric acid per 100 g fwt; b) pH of 4.2 to about 5.6 ; c) 5.0 g to 15.0 g sugar per 100 g fwt; and wherein the ratio of citric acid to malic acid in said fruits is greater than 5. 18. The C. melo plant according to claim 1, wherein the low pH trait is obtainable from a plant of line IND-35 (…) or a descendent of said line IND-35 32./33. Fruit and flesh of a C. melo plant according to any one of claims 1-30. 34./35. Use of fruit and flesh of a C. melo plant according to claim 32./33. in a fresh cut product.

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