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(71) Applicant (for all designated States except US): **SIME DARBY MALAYSIA BERHAD** [MY/MY]; 19th Floor, Wisma Sime Darby, Jalan Raja Laut, 50350 Kuala Lumpur (MY).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TEH, Huey Fang** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **MAY HONG, Ping Li** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **NEOH, Bee Keat** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **JAIME LOW, Yoke Sum** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **NALISHA, Binti Ithnin** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD,

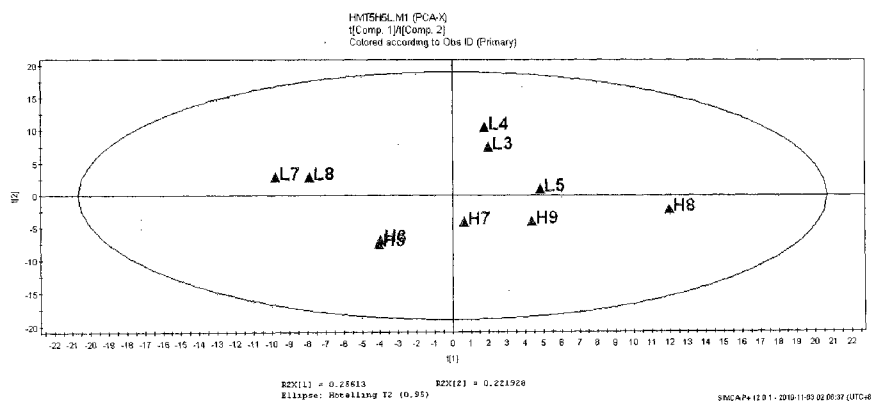
1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **THERESA NG, Lee Mei** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **THANG, Yin Mee** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **APPLETON, David Ross** [NZ/NZ]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **HIRZUN BIN MOHD, Yusof@Hassan** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **HARIKRISHNA, A/L Kulaveerasingham** [MY/MY]; c/o Sime Darby Technology Centre SDN BHD, 1st Floor, Block B, UPM-MTDC Technology, Centre III, Universiti Putra Malaysia, 43400 Serdang, Selangor Darul Ehsan (MY). **MOHAIMI, Mohamed** [MY/MY]; c/o Sime Darby Research SDN BHD, KM 10, Jalan Banting-Kelanang, P.O.Box 207, 42700 Banting, Selangor, Darul Ehsan (MY).

(74) Agent: **KHOR HONG PING, Pauline**; c/o RAHMAT LIM & PARTNERS, Suite 33.01, Level 33, The Gardens, North Tower, Mid Valley City, Lingkaran Syed Putra, 59200 Kuala Lumpur (MY).

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(54) Title: METHODS FOR OBTAINING HIGH-YIELDING OIL PALM PLANTS



(57) Abstract: Methods are provided for obtaining a high-yielding oil palm plant, comprising determining the level of a metabolite in mesocarp tissue of a fruit of a parental oil palm plant 11 to 23 weeks after pollination thereof, determining whether there is a difference between this level and the level of the metabolite in mesocarp tissue of a fruit of a reference oil palm plant, also 11 to 23 weeks after pollination thereof, wherein the difference is that the level of the metabolite is at least 15% higher, or at least 5% lower, for the parental oil palm plant relative to the reference oil palm plant, and selecting progeny of the parental oil palm plant based on the difference to obtain the high-yielding oil palm plant. Also provided are methods for predicting oil yield of a test oil palm plant and kits for obtaining a high-yielding oil palm plant.



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