

Title (en)
GENETIC ENGINEERING OF DROUGHT TOLERANCE VIA A PLASTID GENOME

Title (de)
GENETISCHE MANIPULATION DER TOLERANZ GEGEN TROCKENHEIT MITTELS DES PLASTIDGENOMS

Title (fr)
GENIE GENETIQUE DE LA TOLERANCE A LA SECHERESSE AU MOYEN D'UN GENOME DE PLASTE

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Application
EP 01913108 A 20010228

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• US 18565800 P 20000229

Abstract (en)
[origin: WO0164850A1] This invention provides a method of conferring osmoprotection to plants. Plant plastid genomes, particularly the chloroplast genome, is transformed to express an osmoprotectant. The transgenic plants and their progeny display drought resistance. More importantly, such transgenic plants display no negative pleiotropic effects such as sterility or stunted growth.

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Citation (search report)
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• [DA] WO 9910513 A1 19990304 - UNIV AUBURN [US], et al
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• [T] LEE SEUNG-BUM ET AL: "Accumulation of trehalose within transgenic chloroplasts confers drought tolerance.", MOLECULAR BREEDING, vol. 11, no. 1, January 2003 (2003-01-01), pages 1 - 13, XP009027206, ISSN: 1380-3743
• See references of WO 0164850A1

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