

Title (en)
METHODS FOR PRODUCING APOMICTIC PLANTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON APOMIKTISCHEN PFLANZEN

Title (fr)
PROCEDES SERVANT A PRODUIRE DES PLANTES APOMICTIQUES

Publication
EP 1014778 A4 20040929 (EN)

Application
EP 98903911 A 19980205

Priority
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Abstract (en)
[origin: WO9833374A1] Methods are provided for producing apomictic plants from sexual plants divergent with respect to responses to different photoperiods and schedules of megaspore and gametophyte development. A preferred system is to identify divergent lines from within a species or closely related group of species, accentuate the divergence by breeding where necessary, and produce artificial amphiploids that contain genomes from the apposing divergent lines. Apomixis results from the asynchronous expression of female developmental programs induced by combining the reproductively divergent lines. The procedures for manipulating the expression of apomixis described herein permit the development of true-breeding hybrids of various cultivated crops.

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Citation (search report)
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• See references of WO 9833374A1

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