

Title (en)

MODIFICATION OF LIGNIN COMPOSITION OF GYMNOSPERMS

Title (de)

MODIFIKATION DER LIGNINZUSAMMENSETZUNG VON GYMNOSPERMEN

Title (fr)

MODIFICATION D'UNE COMPOSITION EN LIGNINE DE GYMNOSPERMES

Publication

EP 1153134 A1 20011114 (EN)

Application

EP 00901444 A 20000131

Priority

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- US 11812499 P 19990201

Abstract (en)

[origin: WO0046382A1] A process of producing a transformed gymnosperm plant or plant precursor (cells, callus, embryo, shoot, seed or seedling) having a genome containing at least one expressible transgene that results in modification of the lignin composition of the plant effective to make the plant more commercially desirable. One of the expressible transgenes is preferably the ferulate 5-hydroxylase gene, or a gene which encodes an enzyme that has enzymatic activity substantially similar to the F5H enzyme when transformed in yeast, such that when transformed into plant cells, it results in the production of lignin containing syringyl or other lignin residues in a gymnosperm.

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