

Title (en)

METHOD FOR THE TREATMENT OF PLANTS USING ELECTROMAGNETIC FIELDS

Title (de)

VERFAHREN ZUR BEHANDLUNG VON PFLANZEN MIT ELEKTROMAGNETISCHEN FELDERN

Title (fr)

PROCÉDÉ POUR TRAITER DES PLANTES AU MOYEN DE CHAMPS ÉLECTROMAGNÉTIQUES

Publication

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Application

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Abstract (en)

[origin: WO2010086367A1] The invention relates to a method for treating plants using electromagnetic fields. In said method, a pulse generator applies pulse sequences to growing plants or the seeds thereof in a pulsed electromagnetic field, wherein the individual pulses have a frequency ranging from 1 to 100 Hz, and the amplitude of each individual pulse corresponds to an exponential function or the pulses have envelope curves rising and falling in the shape of an arch. The individual pulses are emitted in synchronous or asynchronous groups of pulses having different magnetic flux densities, and the plants are exposed to the pulsed electromagnetic field for 1 to 120 minutes once to 30 times a day or continuously for several days. Plant growth, germination, and yields are significantly increased in an environmentally friendly manner, and the resistance against diseases is boosted.

IPC 8 full level

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CPC (source: EP KR US)

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