

Title (en)  
METHOD FOR PROCESSING PLANT REMAINS

Title (de)  
VERFAHREN ZUR VERARBEITUNG VON PFLANZLICHEN RÜCKSTÄNDEN

Title (fr)  
PROCÉDÉ DE TRANSFORMATION DE RÉSIDUS VÉGÉTAUX

Publication  
**EP 2809172 A1 20141210 (DE)**

Application  
**EP 13705937 A 20130204**

Priority  
• EP 12153570 A 20120202  
• EP 2013052137 W 20130204  
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Abstract (en)  
[origin: EP2622967A1] The method comprises providing plant residue having a shell portion (90 wt.%), partially hydrolyzing constituents of the plant residue including carbohydrate, fat and/or protein, and separating liquid phase into dissolved components and solid phase. A suspension is provided for the hydrolysis of the plant residue in a solvent such as water (40 wt.%). The hydrolysis is performed at a temperature of 30-38[deg] C and performed with addition of enzymes, acid or base having a pH of 5.5 and inoculant microorganisms. The method further comprises washing, sterilizing and drying the solid phase. The method comprises providing plant residue having a shell portion (90 wt.%), partially hydrolyzing constituents of the plant residue including carbohydrate, fat and/or protein, and separating liquid phase into dissolved components and solid phase. A suspension is provided for the hydrolysis of the plant residue in a solvent such as water (40 wt.%). The hydrolysis is performed at a temperature of 30-38[deg] C and performed with addition of enzymes, acid or base having a pH of 5.5 and inoculant microorganisms. The method further comprises washing, sterilizing and drying the solid phase. The liquid phase is transferred as an energy-rich liquid for a biogas plant. An independent claim is included for a system for processing plant residue.

IPC 8 full level  
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• JP 2002361217 A 20021217 - KUBOTA KK  
• DE 102007004135 A1 20080807 - DERTMANN VOLKMAR [DE]  
• DE 102005055310 A1 20070524 - HAMM HUBERT [DE]  
• DE 10021383 A1 20011108 - WEA WASTE ENERGY ACTION INTERN [IE]  
• See also references of WO 2013113922A1

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Designated extension state (EPC)  
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