Title (en)

METHOD AND SYSTEM FOR PREPARING DENSIFIED LIGNOCELLULOSIC PULP FOR USE IN THERMOPLASTIC COMPOSITE MANUFACTURING PROCESSES

Title (de)

VERFAHREN UND SYSTEM ZUR HERSTELLUNG EINER VERDICHTETEN LIGNOZELLULOSE-PULPE ZUR VERWENDUNG IN VERFAHREN ZUR HERSTELLUNG THERMOPLASTISCHER VERBUNDSTOFFE

Title (fr)

PROCÉDÉ ET SYSTÈME POUR LA PRÉPARATION D'UNE PÂTE LIGNOCELLULOSIQUE DENSIFIÉE POUR UTILISATION DANS DES PROCÉDÉS DE FABRICATION DE COMPOSITES THERMOPLASTIQUES

Publication

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Application

EP 09837239 A 20090116

Priority

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Abstract (en)

[origin: WO2010078640A1] A method of preparing lignocellulosic fibre aggregates from a densified mass of lignocellulosic fibre, such as densified bales, for use in manufacturing high performance, recyclable and moldable lignocellulosic fibre and thermoplastic composites, or articles made of the high performance, recyclable and moldable lignocellulosic fibre and thermoplastic composites is provided. The method includes: (a) feeding densified forms of lignocellulosic fibre into a size reduction device; and size reducing the lignocellulosic fibres so as to produce dense lignocellulosic fibre aggregates having an average size profile suitable for use in manufacturing high performance, recyclable and moldable lignocellulosic fibre and thermoplastic composites, or articles made of the high performance, recyclable and moldable lignocellulosic fibre and thermoplastic composites. The density of the lignocellulosic fibre is generally maintained throughout the method. A system for preparing lignocellulosic fibre in accordance with the method is also provided.

IPC 8 full level

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