Title (en)
LIGHT LIGNOCELLULOSIC MATERIALS HAVING GOOD MECHANICAL PROPERTIES

Title (de)
LEICHTE LIGNOCELLULOSEWERKSTOFFE MIT GUTEN MECHANISCHEN EIGENSCHAFTEN

Title (fr)
MATÉRIAUX LIGNOCELLULOSIQUES LÉGERS POSSÉDANT DE BONNES PROPRIÉTÉS MÉCANIQUES

Publication
**EP 2464692 A1 20120620 (DE)**

Application
**EP 10742800 A 20100802**

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Abstract (en)
[origin: WO2011018373A1] The invention relates to a method for producing a light lignocellulosic material having an average density in the range of 200 to 600 kg/m3, where: A) 30 to 95% by weight of lignocellulose particles; B) 1 to 25% by weight of expanded plastic particles having a bulk density in the range of 10 to 100 kg/m3; C) 3 to 50% by weight of a binding agent, selected from the group of aminoplast resin, phenol formaldehyde resin, and organic isocyanate having at least two isocyanate groups and optionally D) additives are mixed and pressed under increased temperature and increased pressure, characterized in that the expanded plastic particles are obtained from expandable plastic particles by expanding, and the expanded plastic particles thus obtained are further used for producing the light lignocellulosic material without further intermediate steps.

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Citation (search report)
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