

Title (en)
LIGHT WOOD MATERIALS WITH GOOD MECHANICAL CHARACTERISTICS AND METHOD OF PRODUCING THE SAME

Title (de)
LEICHTE HOLZWERKSTOFFE MIT GUTEN MECHANISCHEN EIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG DER SELBEN

Title (fr)
MATÉRIAUX LÉGERS DÉRIVÉS DU BOIS PRÉSENTANT DE BONNES PROPRIÉTÉS MÉCANIQUES ET LEUR METHODE DE PRODUCTION

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Abstract (en)
[origin: EP1914052A1] Light, wood-containing material (I) with an average density of 200-600 kg/m³, comprises wood particles (a) (30-95 wt. %); fillers (b) (1-25 wt. %) with a bulk density of 10-150 kg/m³, from foamable plastic particles and plastic particles that are already foamed; binders (c) (0.1-50 wt. %); and optionally additives (d), where (b) contains foaming plastic particles (1-100 wt. %) gained by comminution from molds. Independent claims are included for: (1) a multilayer wood material, comprising at least three layers, where only middle layer or at least one part of the middle layer contains (I), and the external surface layer does not contain fillers; and (2) a preparation of (I) comprising mixing the components (a-d), and subsequently pressing under increased temperature and pressure.

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