

Title (en)
EXPANDABLE LAMINATE, EXPANDED LAMINATE, A PROCESS FOR FORMING THE EXPANDABLE LAMINATE, AND USES OF THE LAMINATES

Title (de)
EXPANDIERBARES LAMINAT, EXPANDIERTES LAMINAT, VERFAHREN ZUR HERSTELLUNG DES EXPANDIERBAREN LAMINATS UND VERWENDUNGEN DER LAMINATE

Title (fr)
STRATIFIÉ EXPANSIBLE, STRATIFIÉ EXPANSÉ, PROCÉDÉ DE FORMATION DU STRATIFIÉ EXPANSIBLE ET UTILISATION DES STRATIFIÉS

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Application
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Abstract (en)
[origin: WO2014175792A1] An expandable laminate, comprising at least two paper layers and at least one intermediate expandable layer, said expandable layer comprising expandable particles, which are in an unexpanded state, and each side of the expandable layer being attached to a surface of one of the at least two paper layers by an adhesive coating that has been applied onto the paper layer surface, thus leaving the expandable layer substantially free from adhesive, an expanded laminate, obtained by heat treatment of said expandable laminate, a process for forming the laminate comprising the steps of applying an adhesive to one side of a first paper layer to form an adhesive coating; applying dry expandable particles, which are in an unexpanded state, onto the first paper layer; removing any surplus of expandable particles not being adhesively attached to the first paper layer; applying an adhesive to one side of a second paper layer to form an adhesive coating; assembling the first and second paper layers so that the expandable particles are positioned between the paper layers, thus forming an intermediate expandable layer, and the of the laminate in the manufacture of packages or containers, or in the manufacture of building panels.

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- [A] DATABASE WPI Week 200402, Derwent World Patents Index; AN 2004-014618, XP002763942
- See references of WO 2014175792A1

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