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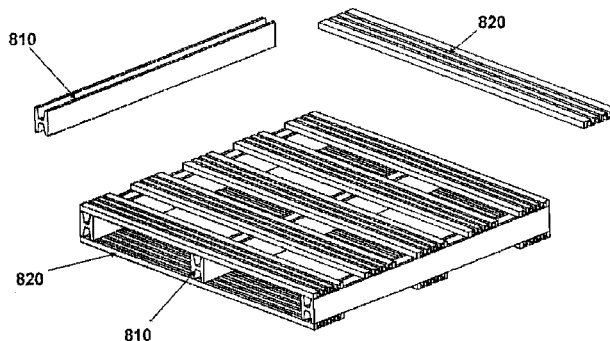
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(54) Title: METHODS OF MANUFACTURING FORMALDEHYDE-FREE MOLDED PRODUCTS AND RELATED PARTS

Figure 8



(57) Abstract: The present invention provides a moldable mixture containing large portion of agricultural fibers and small portion of a binding agent and a flow-promoting filler material. The moldable mixture is substantially free of formaldehyde, with low moisture content and high draw ratio. The present invention also provides methods of manufacturing molded products and related parts based on the claimed moldable mixture. Molded products (830) and related parts such as runner (810) and plank (820) with light weight, high density and more complex profile are manufactured by the claimed methods including steps of providing required materials for a moldable mixture, mixing the provided materials to form a moldable mixture, shaking the moldable mixture in preparing for compression molding and compression molding the moldable mixture to form molded products and related parts.