

Title (en)

Method and apparatus for manufacturing lamellar wood from timber.

Title (de)

Verfahren und Vorrichtung zur Herstellung von Holzlamellen aus Schnittholz.

Title (fr)

Méthode et dispositif pour produire des lamelles de bois à partir de bois de charpente.

Publication

EP 0375807 A1 19900704 (DE)

Application

EP 88121905 A 19881230

Priority

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Abstract (en)

[origin: JPH02227203A] PURPOSE: To manufacture a high class thin sheet with a satisfactory expenditure by a method wherein cut woods are cut into individual thin sheets by a sawdust-free process and then, the thin sheets are dried and thereafter, if necessary, one or a plurality of side faces of the dried thin sheets are additionally processed especially by grinding. CONSTITUTION: Preconditioning 4 of cut woods is performed in relation to humidity before cutting process 6 stage and especially, predrying is performed and in this instance, humidity of the cut woods is made approximately 40-60%, especially approximately 50% in cope with the kind of each wood. A cut device 6 is actually sawdust-free. As only a relatively small amt. of sawdust is generated in the same way when the cut thin sheets 10 are additionally processed, excellent yield for lumbering is achieved. After cutting, especially uniform result on drying is achieved to approximately 6% wood humidity of the thin sheets, in some cases, even lower than this. Then, narrower side face of the thin sheet is made even and processed by means of a high speed milling unit. If necessary, a plurality of constitutional devices can be arranged in series. These constitutional devices are used for grinding, planing, milling, in some cases, shaping, especially edging of the thin sheet.

Abstract (de)

Ein Verfahren zum Herstellen von Holzlamellen (10) aus Schnittholz (2) umfaßt im wesentlichen die Verfahrensschritte, das in einer Konditioniereinrichtung (4) gegebenenfalls vorgetrocknete Schnittholz in einer Schneideinrichtung (6) sägespanlos zu schneiden, die geschnittenen Holzlamellen (10) direkt anschließend bis zu geringen Holzfeuchten zu trocknen und direkt anschließend die getrockneten Holzlamellen insbesondere durch einen Schleifvorgang in einer Nachbearbeitungseinrichtung (24) nachzubearbeiten. Mit dem erfindungsgemäßen Verfahren können Holzlamellen (10) hoher Güte hergestellt werden, und gleichzeitig wird die Ausbeute erheblich gesteigert und der Energiebedarf deutlich gesenkt.

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Citation (search report)

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