

Title (en)

Process for producing roll-bonded pannels

Title (de)

Verfahren zur Herstellung von Platten durch Aufblähung

Title (fr)

Procédé pour la fabrication par gonflage de panneaux

Publication

**EP 0703427 A1 19960327 (EN)**

Application

**EP 94114865 A 19940921**

Priority

EP 94114865 A 19940921

Abstract (en)

A roll-bonded panel 1 has a fluid circuit including a U-shaped shunt passage 2 which comprises first and second shunt passageways 4, 5 parallel to each other and branching from a main passage 3, and a curved passageway 6 interconnecting the forward ends of the shunt passageways 4, 5. A pattern of parting agent corresponding to the circuit is so printed that the width W2 of a nonbonded portion for forming the second shunt passageway 5 is slightly smaller than the width W1 of a nonbonded portion for forming the first shunt passageway 4. When air of high pressure is introduced into the nonbonded portion, the main passage 3 is formed first by inflation, and the shunt passage 2 is then formed. The shunt passage is formed in the order of the first passageway 4, the curved passageway 6 and the second passageway 5. This obviates the likelihood of the portion of curved passageway 6 rupturing. <IMAGE>

IPC 1-7

**F28F 3/14**; **B21D 53/04**

IPC 8 full level

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CPC (source: EP)

**B21D 53/045** (2013.01); **F25B 39/024** (2013.01); **F28F 3/14** (2013.01)

Citation (search report)

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- [A] US 2874942 A 19590224 - RIEPPEL PERRY J, et al
- [A] US 3334398 A 19670808 - MIDDLETON VERNE L
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 305 (M - 849) 13 July 1989 (1989-07-13)

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