

Title (en)  
Manufacturing corrugated board.

Title (de)  
Herstellung von Wellpappe.

Title (fr)  
Fabrication de papier ondulé.

Publication  
**EP 0279609 A2 19880824 (EN)**

Application  
**EP 88301228 A 19880215**

Priority  
AU PI042187 A 19870218

Abstract (en)  
A conventional single faced corrugated board manufacturing plant is modified to produce corrugated board having two fluted mediums bonded at their flute tips. In addition to the existing corrugating rolls (10, 11) a further pair of corrugating rolls (34, 35) synchronized with the existing pair are provided so that the corrugated mediums (22, 23) are contacted at their flute tips. An additional mill roll stand is provided for the second fluted medium. A carrier roll (36) is provided adjacent to the pairs of corrugating rolls to take off the bonded fluted mediums and provide support and prevent uncontrolled movement of the flute to flute structure during the development of the adhesion bond. Adhesive applicators (37) are provided to apply adhesive to one of the mediums prior to the flute tip to flute tip bonding and to coat the flute tips of the bonded fluted structure on the carrier roll for bonding to the inner (21). An additional guide roll (38) is provided to allow tangential approach for the liner onto the flute to flute structure carried by the carrier roll. Radiant energy is used to assist in bonding the inner to the flute to flute tip structure enabling a low pressure bonding technique to be used.

IPC 1-7  
**B31F 1/28**

IPC 8 full level  
**B31F 1/28** (2006.01)

IPC 8 main group level  
**B31F** (2006.01); **D21F** (2006.01)

CPC (source: EP)  
**B31F 1/2813** (2013.01)

Cited by  
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**EP 0279609 A2 19880824; EP 0279609 A3 19880928; EP 0279609 B1 19930113**; AT E84464 T1 19930115; BR 8800608 A 19880927; CA 1304663 C 19920707; DE 3877375 D1 19930225; DE 3877375 T2 19930506; DK 171173 B1 19960715; DK 81488 A 19880819; DK 81488 D0 19880217; ES 2037209 T3 19930616; FI 880743 A0 19880217; FI 880743 A 19880819; FI 90641 B 19931130; FI 90641 C 19940310; GR 3007159 T3 19930730; JP H07110525 B2 19951129; JP S63203325 A 19880823; MY 102285 A 19920515; NO 173642 B 19931004; NO 173642 C 19940112; NO 880696 D0 19880217; NO 880696 L 19880819; NZ 223556 A 19900926; ZA 881100 B 19880812

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**EP 88301228 A 19880215**; AT 88301228 T 19880215; BR 8800608 A 19880212; CA 558970 A 19880216; DE 3877375 T 19880215; DK 81488 A 19880217; ES 88301228 T 19880215; FI 880743 A 19880217; GR 930400395 T 19930225; JP 3411888 A 19880218; MY PI19880150 A 19880213; NO 880696 A 19880217; NZ 22355688 A 19880218; ZA 881100 A 19880217