

Title (en)
Improvements in or relating to Stubless Multi-ply assemblies.

Title (de)
Verbesserung an streifenlosen mehrfach- Sätzen.

Title (fr)
Perfectionnements aux liasses de feuilles sans souche.

Publication
EP 0000814 A1 19790221 (EN)

Application
EP 78300181 A 19780721

Priority
US 81875977 A 19770725

Abstract (en)
[origin: US4126334A] {PG,1 A unit set of multiple plies includes superimposed top, intermediate and bottom plies each being devoid of any tear lines which may form a stub, and each being coated on selected surfaces thereof with chemicals which are capable of reacting with one another to produce a colored mark. The top and bottom plies are interconnected by means of a removable glue flap, and portions of the glue extend through holes lying along a margin of the bottom ply so as to thereby interconnect the intermediate and bottom plies together. The top ply is coated front and back and the intermediate ply is coated on its back surface with a micro-encapsulated color precursor, while the bottom ply is coated front and back and the top surface of the intermediate ply is coated with a record-developing material. Upon application of pressure to the set, colored marks are formed on the intermediate and bottom ply top surfaces as the reactive components of the coatings on mating surfaces react. The plies are capable of rearrangement such that by removal of the intermediate ply and by placing the backs of the top and bottom plies in mating engagement {pg,2 colored marks are produced on the backs of the plies as the reactive components of the coatings of these mating surfaces are forced into reactive contact upon the application of pressure to the back of the set.

IPC 1-7
B41L 1/36; **B41M 5/22**

IPC 8 full level
B41L 1/36 (2006.01); **B41M 5/124** (2006.01)

CPC (source: EP US)
B41L 1/36 (2013.01 - EP US); **B41M 5/124** (2013.01 - EP US); **Y10S 462/90** (2013.01 - EP US)

Citation (search report)
• [XD] US 4036511 A 19770719 - MAALOUF GEORGE E
• US 2372918 A 19450403 - VICKERY ALFRED E
• US 3149859 A 19640922 - OTIS ERIAL B, et al
• [XPD] US 4039046 A 19770802 - D LUHY EMIL A

Cited by
EP0536881A1; SG96640A1

Designated contracting state (EPC)
BE CH DE FR GB LU NL SE

DOCDB simple family (publication)
US 4126334 A 19781121; AU 3821578 A 19800124; AU 522308 B2 19820527; BE 20 T1 19791207; CA 1098561 A 19810331; CH 647201 A5 19850115; DE 2857194 A1 19800320; DE 2857194 C2 19840301; EP 0000814 A1 19790221; FR 2432937 A1 19800307; FR 2432937 B1 19830527; GB 2040806 A 19800903; GB 2040806 B 19820825; IE 47137 B1 19831228; IE 781470 L 19790123; IT 1115405 B 19860203; IT 7812713 A0 19780718; MX 150630 A 19840613; NO 153364 B 19851125; NO 153364 C 19860305; NO 782532 L 19790124; NZ 187886 A 19820817; SE 436719 B 19850121; SE 7907387 L 19790905; ZA 784165 B 19790725

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US 81875977 A 19770725; AU 3821578 A 19780720; BE 78300181 A 19780721; CA 307912 A 19780721; CH 331480 A 19780721; DE 2857194 A 19780721; EP 78300181 A 19780721; FR 7915092 A 19790611; GB 7923006 A 19780721; IE 147078 A 19780721; IT 1271378 A 19780718; MX 17422578 A 19780718; NO 782532 A 19780721; NZ 18788678 A 19780718; SE 7907387 A 19790905; ZA 784165 A 19780721