

Title (en)  
ADHESIVE STICK WITH IMPROVED ADHESIVE STRENGTH.

Title (de)  
KLEBESTIFT MIT VERBESSERTER KLEBKRAFT.

Title (fr)  
CRAYON ADHESIF A FORCE D'ADHERENCE AMELIOREE.

Publication  
**EP 0479845 A1 19920415 (DE)**

Application  
**EP 90909715 A 19900621**

Priority  
DE 3921554 A 19890630

Abstract (en)  
[origin: EP0405329A1] A dimensionally stable adhesive stick which wears down when rubbed consists of an aqueous preparation of a synthetic polymer and a soap gel, which acts as a skeleton substance that confers its shape on the stick, and possibly other additives. In order to improve the adhesive strength, the aqueous preparation of a synthetic polymer is an aqueous polyurethane dispersion which is at least substantially free from solvents.

Abstract (fr)  
Afin d'améliorer la force d'adhérence d'un crayon adhésif indéformable mou que l'on use en frottant, composé d'une préparation aqueuse d'un polymère synthétique et d'un savon colloïdal qui sert de structure saponacée et lui donne sa forme, ainsi que le cas échéant d'autres additifs, on utilise comme composition aqueuse de polymère synthétique une dispersion aqueuse de polyuréthane exempte au moins dans une large mesure de solvants.

IPC 1-7  
**C09J 5/00; C09J 175/04**

IPC 8 full level  
**C09J 7/00** (2006.01); **C09J 5/00** (2006.01); **C09J 175/00** (2006.01); **C09J 175/04** (2006.01)

CPC (source: EP KR US)  
**C09J 5/00** (2013.01 - KR); **C09J 9/005** (2013.01 - EP US); **C09J 175/04** (2013.01 - EP KR US); **C08L 2666/34** (2013.01 - EP US)

Citation (search report)  
See references of WO 9100322A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0405329 A1 19910102; EP 0405329 B1 19930428**; AR 248288 A1 19950712; AT E88745 T1 19930515; AU 5856890 A 19910117; AU 635754 B2 19930401; BR 9007443 A 19920616; CA 2062950 A1 19901231; CA 2062950 C 20020319; CZ 283445 B6 19980415; CZ 320690 A3 19971217; DD 297993 A5 19920130; DE 3921554 A1 19910117; DE 59001295 D1 19930603; DK 0405329 T3 19930607; EP 0479845 A1 19920415; ES 2042146 T3 19931201; FI 100986 B 19980331; FI 916132 A0 19911227; HU 212188 B 19960328; HU 905536 D0 19920228; HU T59177 A 19920428; IE 64413 B1 19950809; IE 902361 A1 19910619; IE 902361 L 19901230; JP 2836957 B2 19981214; JP H04506533 A 19921112; KR 0136267 B1 19980424; KR 920702709 A 19921006; MX 174480 B 19940518; NO 305130 B1 19990406; NO 914241 D0 19911029; NO 914241 L 19911211; PT 94531 A 19910418; PT 94531 B 19970430; SK 279178 B6 19980708; SK 320690 A3 19980708; TR 24605 A 19920101; US 5371131 A 19941206; WO 9100322 A1 19910110; ZA 905130 B 19910327

DOCDB simple family (application)  
**EP 90111738 A 19900621**; AR 31727190 A 19900629; AT 90111738 T 19900621; AU 5856890 A 19900621; BR 9007443 A 19900621; CA 2062950 A 19900621; CS 320690 A 19900627; DD 34235390 A 19900629; DE 3921554 A 19890630; DE 59001295 T 19900621; DK 90111738 T 19900621; EP 9000982 W 19900621; EP 90909715 A 19900621; ES 90111738 T 19900621; FI 916132 A 19911227; HU 553690 A 19900621; IE 236190 A 19900629; JP 50917390 A 19900621; KR 910702012 A 19911230; MX 2140790 A 19900629; NO 914241 A 19911029; PT 9453190 A 19900628; SK 320690 A 19900627; TR 58990 A 19900717; US 77897192 A 19920219; ZA 905130 A 19900629