

Title (en)  
ELECTROVISCOUS FLUIDS

Publication  
**EP 0219751 B1 19921223 (DE)**

Application  
**EP 86113763 A 19861004**

Priority  
DE 3536934 A 19851017

Abstract (en)  
[origin: US4702855A] Electroviscous fluids are disclosed which are composed of aluminum silicates particles in an electrically non-conductive liquid and a suitable dispersing agent. The atomic ratio of Al/Si on the surface of the aluminum silicate lies within the range of 0.15 to 0.80.

IPC 1-7  
**C08L 83/04; C10M 125/26; C10M 169/04; C10M 171/00**

IPC 8 full level  
**C08L 83/04** (2006.01); **C10M 125/26** (2006.01); **C10M 169/04** (2006.01); **C10M 171/00** (2006.01); **C10M 173/00** (2006.01); **C10N 30/04** (2006.01); **C10N 30/08** (2006.01); **C10N 40/04** (2006.01); **C10N 40/06** (2006.01); **C10N 40/08** (2006.01); **C10N 40/14** (2006.01)

CPC (source: EP KR US)  
**C10M 105/00** (2013.01 - EP); **C10M 107/50** (2013.01 - EP); **C10M 125/26** (2013.01 - EP US); **C10M 155/02** (2013.01 - EP); **C10M 169/044** (2013.01 - EP US); **C10M 171/00** (2013.01 - KR); **C10M 171/001** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2201/10** (2013.01 - EP US); **C10M 2201/102** (2013.01 - EP US); **C10M 2201/105** (2013.01 - EP US); **C10M 2203/003** (2013.01 - EP US); **C10M 2203/02** (2013.01 - EP US); **C10M 2203/022** (2013.01 - EP US); **C10M 2203/024** (2013.01 - EP US); **C10M 2203/04** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/22** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2215/226** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2215/30** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10M 2229/025** (2013.01 - EP US); **C10M 2229/04** (2013.01 - EP US); **C10M 2229/0405** (2013.01 - EP US); **C10M 2229/041** (2013.01 - EP US); **C10M 2229/0415** (2013.01 - EP US); **C10M 2229/042** (2013.01 - EP US); **C10M 2229/0425** (2013.01 - EP US); **C10M 2229/043** (2013.01 - EP US); **C10M 2229/0435** (2013.01 - EP US); **C10M 2229/044** (2013.01 - EP US); **C10M 2229/0445** (2013.01 - EP US); **C10M 2229/045** (2013.01 - EP US); **C10M 2229/0455** (2013.01 - EP US); **C10M 2229/046** (2013.01 - EP US); **C10M 2229/0465** (2013.01 - EP US); **C10M 2229/047** (2013.01 - EP US); **C10M 2229/0475** (2013.01 - EP US); **C10M 2229/048** (2013.01 - EP US); **C10M 2229/0485** (2013.01 - EP US); **C10M 2229/05** (2013.01 - EP US); **C10M 2229/0505** (2013.01 - EP US); **C10M 2229/051** (2013.01 - EP US); **C10M 2229/0515** (2013.01 - EP US); **C10M 2229/052** (2013.01 - EP US); **C10M 2229/0525** (2013.01 - EP US); **C10M 2229/053** (2013.01 - EP US); **C10M 2229/0535** (2013.01 - EP US); **C10M 2229/054** (2013.01 - EP US); **C10M 2229/0545** (2013.01 - EP US); **C10N 2020/01** (2020.05 - EP US); **C10N 2040/14** (2013.01 - EP US); **C10N 2040/16** (2013.01 - EP US); **C10N 2040/17** (2020.05 - EP US); **C10N 2040/175** (2020.05 - EP US); **C10N 2040/18** (2013.01 - EP US); **C10N 2040/185** (2020.05 - EP US)

Cited by  
EP0396237A1; EP0432601A1; EP0448874A1; FR2712600A1; EP0393830A1; EP0444421A1; EP0393831A1; EP0319201A3; EP0265252A3; EP0472991A1; US5268118A

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

DOCDB simple family (publication)  
**EP 0219751 A2 19870429; EP 0219751 A3 19891011; EP 0219751 B1 19921223**; AT E83794 T1 19930115; AU 579945 B2 19881215; AU 6395486 A 19870430; BR 8605052 A 19870714; CA 1280590 C 19910226; DE 3536934 A1 19870423; DE 3687337 D1 19930204; DK 162725 B 19911202; DK 162725 C 19920421; DK 495386 A 19870418; DK 495386 D0 19861016; ES 2053427 T3 19940801; FI 82260 B 19901031; FI 82260 C 19910211; FI 864166 A0 19861015; FI 864166 A 19870418; JP S6295397 A 19870501; KR 870003817 A 19870504; KR 940008392 B1 19940914; NO 168537 B 19911125; NO 168537 C 19920304; NO 863932 D0 19861002; NO 863932 L 19870421; US 4702855 A 19871027; ZA 867836 B 19870624

DOCDB simple family (application)  
**EP 86113763 A 19861004**; AT 86113763 T 19861004; AU 6395486 A 19861013; BR 8605052 A 19861016; CA 520461 A 19861015; DE 3536934 A 19851017; DE 3687337 T 19861004; DK 495386 A 19861016; ES 86113763 T 19861004; FI 864166 A 19861015; JP 24156786 A 19861013; KR 860008683 A 19861016; NO 863932 A 19861002; US 91421186 A 19861001; ZA 867836 A 19861016