

Title (en)  
Electroviscous fluid.

Title (de)  
Elektroviskose-Flüssigkeit.

Title (fr)  
Fluide électrovisqueux.

Publication  
**EP 0483774 B1 19950215 (EN)**

Application  
**EP 91118452 A 19911029**

Priority  
JP 29101090 A 19901029

Abstract (en)  
[origin: EP0483774A1] The present invention relates to an electroviscous fluid which comprises a dispersion of 0.1 to 50 weight% of wet- method silica particles whose surface adsorbed water has been replaced by an organic compound having in its molecule at least one group selected from the group consisting of a nitrile group, hydroxyl group, and acid group, in an electrically insulating fluid. The wet-method silica particles have an average particle diameter of 10 to 500 micrometers and a pH that does not exceed 6.5. This electroviscous fluid provides a substantial increase in yield value at low voltages and an excellent shear stability.

IPC 1-7  
**C10M 171/00**

IPC 8 full level  
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