

Title (en)

Electroviscous fluid.

Title (de)

Elektroviskose Flüssigkeit.

Title (fr)

Fluide électrovisqueux.

Publication

EP 0482663 A1 19920429 (EN)

Application

EP 91118246 A 19911025

Priority

JP 28811390 A 19901025

Abstract (en)

The electroviscous fluid according to the present invention comprises a dispersion of wet-method silica particles having an average particle diameter of 10 to 500 micrometers and having a pH of not greater than 6.5 in an electrically insulating fluid. The fluids of this invention are characterized by a substantial increase in yield value at low voltages and excellent shear stability.

IPC 1-7

C10M 171/00

IPC 8 full level

C10M 169/04 (2006.01); **C10M 171/00** (2006.01); **F16D 35/00** (2006.01); **C10N 20/06** (2006.01); **C10N 40/14** (2006.01)

CPC (source: EP)

C10M 171/001 (2013.01)

Citation (search report)

- [YD] EP 0342041 A1 19891115 - TOA NENRYO KOGYO KK [JP]
- [Y] EP 0311984 A2 19890419 - AMERICAN CYANAMID CO [US]

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0482663 A1 19920429; CA 2054267 A1 19920426; JP H04161497 A 19920604

DOCDB simple family (application)

EP 91118246 A 19911025; CA 2054267 A 19911025; JP 28811390 A 19901025