

Title (en)  
Lubricating composition.

Title (de)  
Schmiermittelgemisch.

Title (fr)  
Composition lubrifiante.

Publication  
**EP 0359466 A1 19900321 (EN)**

Application  
**EP 89309012 A 19890906**

Priority  
US 24165588 A 19880908

Abstract (en)  
A lubricating composition having improved high and low temperature properties is disclosed. More specifically, the addition of a certain ethylene copolymers having a Melt Index of at least about 40 g/10 mins. to a mixture comprising (1) a lubricating oil, (2) a thickener, and (3) a VI improver results in a lubricating composition which has both excellent high temperature adhesiveness and low temperature slumpability.

IPC 1-7  
**C10M 169/06**

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  
• US 4115343 A 19780919 - GUILLAUME ANDRE, et al  
• US 3705853 A 19721212 - FAU PAUL, et al  
• AU 350891 B  
• US 3929651 A 19751230 - MURRAY DONALD W, et al  
• DE 3033107 A1 19820408 - BRITISH PETROLEUM CO [GB]  
• [Y] CHEMICAL ABSTRACTS, vol. 93, no. 22, December 1980, page 156, abstract no. 207162v, Columbus, Ohio, US; L.I. NAZAROVA et al.: "Study of the properties of lithium greases containing copolymers of ethylene with vinyl acetate and diethylaminoethyl methacrylate", & NEFTEPERERAB. NEFTEKHIM. (MOSCOW) 1980, (5), 22-4

Cited by  
CN102892948A; EP1369607A1; CN102459545A; GB2509287A; GB2509287B; WO2013055419A1; WO9611245A1; WO2010133768A1; WO2011144816A1; US8796189B2; US8853138B1; US8318993B2; US9909255B2; US8678139B2; US9457991B2

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