

Title (en)  
Dry wire drawing lubricants

Title (de)  
Trockenes Schmiermittel zum Drahtziehen

Title (fr)  
Lubrifiants secs pour trefilage

Publication  
**EP 0821052 A1 19980128 (EN)**

Application  
**EP 97117686 A 19930511**

Priority  

- EP 93107653 A 19930511
- US 88902792 A 19920526
- US 3492693 A 19930319
- US 4604293 A 19930409

Abstract (en)  
Shaped, dust-free dry wire drawing compound lubricants having at least one reproducibly controlled dimension and methods for their preparation comprising the steps of conglomerating and pressure forming the lubricant composition.

IPC 1-7  
**C10M 105/24**; C10M 171/06; C10M 177/00

IPC 8 full level  
**B21C 9/00** (2006.01); **C10M 105/22** (2006.01); **C10M 105/24** (2006.01); **C10M 171/06** (2006.01); **C10M 177/00** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 20/06** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP)  
**C10M 105/24** (2013.01); **C10M 171/06** (2013.01); **C10M 177/00** (2013.01); **C10M 2201/02** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10N 2010/02** (2013.01); **C10N 2010/04** (2013.01); **C10N 2040/24** (2013.01); **C10N 2040/241** (2020.05); **C10N 2040/242** (2020.05); **C10N 2040/243** (2020.05); **C10N 2040/244** (2020.05); **C10N 2040/245** (2020.05); **C10N 2040/246** (2020.05); **C10N 2040/247** (2020.05)

Citation (search report)  

- [A] GB 1416213 A 19751203 - PENNWALT CORP & CA 1006497 A 19770308 - PENNWALT CORP
- [A] US 4404828 A 19830920 - BLACHFORD JOHN [CA]
- [A] US 2956017 A 19601011 - MAURICE FRANKS WILLIAM
- [A] DATABASE WPI Section Ch Week 7727, Derwent World Patents Index; Class A14, AN 77-47913Y, XP002048114

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

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**EP 0571815 A2 19931201**; **EP 0571815 A3 19940119**; **EP 0571815 B1 19980902**; AT E170547 T1 19980915; AU 3858693 A 19931202; AU 654620 B2 19941110; CA 2096884 A1 19931127; CA 2096884 C 20010109; DE 69320693 D1 19981008; DE 69320693 T2 19990121; DK 0571815 T3 19990531; EP 0821052 A1 19980128; ES 2119830 T3 19981016; JP H06166883 A 19940614

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