

Title (en)  
METALWORKING FLUID

Title (de)  
METALLBEARBEITUNGSFLUID

Title (fr)  
FLUIDE DE TRAVAIL DU MÉTAL

Publication  
**EP 1741771 A4 20131113 (EN)**

Application  
**EP 05727451 A 20050329**

Priority  
• JP 2005005878 W 20050329  
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Abstract (en)  
[origin: EP1741771A1] A first oil for metal working of the invention comprises an ester oil and a hydrocarbon oil with a kinematic viscosity of 1-20 mm<sup>2</sup>/s at 40°C. A second oil for metal working of the invention employs an ester oil as the base oil and has a moisture content of 200-20,000 ppm. The first and second oils for metal working have excellent properties as water-insoluble oils for non-ferrous metal working and as oils for cutting and grinding in a minimum quantity lubrication system, and can therefore achieve improved working efficiency and extended tool life.

IPC 8 full level  
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**C10M 101/00** (2013.01 - EP US); **C10M 101/04** (2013.01 - EP US); **C10M 105/36** (2013.01 - EP US); **C10M 105/38** (2013.01 - EP US); **C10M 111/02** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/003** (2013.01 - EP US); **C10M 2203/0206** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/021** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2207/401** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2219/024** (2013.01 - EP US); **C10M 2223/041** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/30** (2020.05 - EP US); **C10N 2030/40** (2020.05 - EP US); **C10N 2040/22** (2013.01 - EP US)

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• [X] JP H10273688 A 19981013 - KYODO YUSHI, et al  
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