

Title (en)  
LUBRICATING OIL AND ITS USE

Title (de)  
SCHMIERÖL UND DESSEN VERWENDUNG

Title (fr)  
HUILE LUBRIFIANTE ET SON UTILISATION

Publication  
**EP 1525291 B1 20100630 (EN)**

Application  
**EP 03766426 A 20030801**

Priority  
• FI 0300589 W 20030801  
• FI 20021431 A 20020801

Abstract (en)  
[origin: WO2004013261A1] The invention relates to a lubricating oil, which is used in the food industry as the oil for, slicers and dividers, as lubricating oil for moulds and pans, or as a pan washing oil. The lubricating oil contains at least - turnip rapeseed oil or rapeseed oil as a main component, - auxiliary lubricant, which is selected from the following agents: - pharmaceutical grade white oil, - methyl ester (RME), ethyl ester (REE) or propyl ester (RPE) of turnip rapeseed oil or rapeseed oil, - emulsifier, which is selected from the following agents: - lecithin - acetic acid esters of mono- and diglycerides of fatty acids, - sucrose esters of fatty acids, - antioxidant, which is added synthetic tocopherol.

IPC 8 full level  
**A23D 9/00** (2006.01); **C10M 101/04** (2006.01); **C10M 129/20** (2006.01); **C10M 129/36** (2006.01); **C10M 129/68** (2006.01); **C10M 129/70** (2006.01); **C10M 129/74** (2006.01); **C10M 137/04** (2006.01); **C10M 143/08** (2006.01); **C10M 159/04** (2006.01); **C10M 169/04** (2006.01); **C10M 171/00** (2006.01); **C10N 50/04** (2006.01)

CPC (source: EP KR US)  
**B26D 7/08** (2013.01 - KR); **C10M 101/04** (2013.01 - KR); **C10M 129/68** (2013.01 - KR); **C10M 143/08** (2013.01 - KR); **C10M 169/041** (2013.01 - EP US); **C10M 171/005** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2207/124** (2013.01 - EP US); **C10M 2207/2815** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2207/401** (2013.01 - EP US); **C10M 2223/10** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/62** (2020.05 - EP US); **C10N 2050/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004013261 A1 20040212**; AT E472591 T1 20100715; AU 2003246757 A1 20040223; CA 2494246 A1 20040212; CN 1717470 A 20060104; DE 60333192 D1 20100812; DK 1525291 T3 20101025; EP 1525291 A1 20050427; EP 1525291 B1 20100630; FI 114869 B 20050114; FI 20021431 A0 20020801; FI 20021431 A 20040202; JP 2005534763 A 20051117; KR 20050055692 A 20050613; MX PA05001324 A 20050908; RU 2005105590 A 20050827; US 2005245404 A1 20051103; ZA 200501705 B 20051130

DOCDB simple family (application)  
**FI 0300589 W 20030801**; AT 03766426 T 20030801; AU 2003246757 A 20030801; CA 2494246 A 20030801; CN 03823615 A 20030801; DE 60333192 T 20030801; DK 03766426 T 20030801; EP 03766426 A 20030801; FI 20021431 A 20020801; JP 2004525445 A 20030801; KR 20057001846 A 20050201; MX PA05001324 A 20030801; RU 2005105590 A 20030801; US 52301005 A 20050201; ZA 200501705 A 20050225