

Title (en)  
Concentrated liquid detergent composition containing alkyl benzene sulfonate and magnesium

Title (de)  
Konzentrierte flüssige Detergensenzusammensetzung mit Alkylbenzolsulfonat und Magnesium

Title (fr)  
Composition détergente liquide concentrée contenant de l'alkylbenzène-sulfonate et du magnésium

Publication  
**EP 0487169 B1 19960821 (EN)**

Application  
**EP 91203044 A 19911120**

Priority  
US 61649690 A 19901121

Abstract (en)  
[origin: EP0487169A1] A concentrated light duty liquid detergent composition is described. The composition, which offers superior grease cutting and foam mileage, contains a surfactant mixture of magnesium alkylbenzene sulfonate, alkyl ethoxy sulfate and optionally, alkyl sulfate. The composition also contains a magnesium ion source in an amount such that the molar ratio of total magnesium ion to alkylbenzene sulfonate ranges from about 0.65:1.0 to 1.0:1.0.

IPC 1-7  
**C11D 1/655**; **C11D 17/00**

IPC 8 full level  
**C11D 1/37** (2006.01); **C11D 1/655** (2006.01); **C11D 3/02** (2006.01); **C11D 3/32** (2006.01); **C11D 17/00** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/52** (2006.01)

CPC (source: EP KR)  
**C11D 1/12** (2013.01 - KR); **C11D 1/37** (2013.01 - EP); **C11D 1/655** (2013.01 - EP); **C11D 3/0094** (2013.01 - EP); **C11D 3/046** (2013.01 - EP); **C11D 3/32** (2013.01 - EP); **C11D 1/22** (2013.01 - EP); **C11D 1/29** (2013.01 - EP); **C11D 1/523** (2013.01 - EP)

Citation (examination)  
• JP S5424906 A 19790224 - LION FAT OIL CO LTD  
• Derwent Abstract 79-25066B (abstract of JP-A-54-24 906)

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EP0719320A4; US6166095A; KR100397421B1; US5417893A; US5415801A; US5415814A; US5474710A; ES2279729A1; GB2288409A; GB2288409B; WO2011075642A1; USH1632H; US6083893A; CN114667335A; JP2022553562A; WO03016446A1; WO9735947A1; WO2007093651A1; US11879110B2; WO2021108307A1

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**EP 91203044 A 19911120**; AT 91203044 T 19911120; AU 8770691 A 19911107; BR 9105056 A 19911120; CA 2055340 A 19911112; CN 91110900 A 19911120; DE 69121524 T 19911120; DK 91203044 T 19911120; FI 915473 A 19911120; GR 910100471 A 19911121; HU 362791 A 19911120; IE 403291 A 19911120; KR 910020749 A 19911120; MW 7091 A 19911115; MX 9102048 A 19911113; NO 914544 A 19911120; NZ 24039491 A 19911029; PL 29245691 A 19911120; PT 9954291 A 19911119; YU 181191 A 19911118; ZA 918752 A 19911104; ZM 4391 A 19911101; ZW 15191 A 19911104