

Title (en)  
Lactone-modified ester oils and a lubricating composition containing them.

Title (de)  
Lactonmodifizierte Esteröle und diese enthaltende Schmiermittel-Zusammensetzung.

Title (fr)  
Huiles d'esters modifiées par des lactones et compositions lubrifiantes les contenant.

Publication  
**EP 0009746 A1 19800416 (DE)**

Application  
**EP 79103593 A 19790924**

Priority  
DE 2843473 A 19781005

Abstract (en)  
[origin: US4362635A] Esterification products of monoalcohols and dicarboxylic acids, or of polyhydric alcohols and monocarboxylic acids respectively, containing 5 to 45% by weight of units of hydroxycarboxylic acids and having a ratio of carbon to oxygen atoms greater than 4.1 obtained from (a) aliphatic C1-C14 alcohols, (b) aliphatic C4-C18 carboxylic acids and optionally cycloaliphatic C6-C12 and aromatic C7-C12 carboxylic acids, and (c) lactones of aliphatic C5-C12 hydroxycarboxylic acids. They are suitable for the preparation of lubricants and lubricant compositions.

Abstract (de)  
Veresterungsprodukte aus Monoalkoholen und Dicarbonsäuren bzw. mehrfachen Alkoholen und Monocarbonsäuren mit einem Gehalt an Hydroxycarbonsäureeinheiten von 5 bis 45 Gew.-% und einem Verhältnis von Kohlenstoff- zu Sauerstoffatomen größer als 4,1 werden erhalten aus a) aliphatischen C1-C14-Alkoholen, b) aliphatischen C4-C18-Carbonsäuren und gegebenenfalls cycloaliphatischen C6-C12- und aromatischen C7-C12-Carbonsäuren und c) Lactonen aliphatischer C5-C12-Hydroxycarbonsäuren. Sie eignen sich zur Herstellung von Schmiermitteln und Schmiermittelkompositionen.

IPC 1-7  
**C07C 69/675**; C10M 1/26; C10M 3/20

IPC 8 full level  
**C07C 69/675** (2006.01); **C10M 105/32** (2006.01); **C10M 105/42** (2006.01); **C10M 169/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 101/02** (2013.01 - EP US); **C10M 105/32** (2013.01 - EP US); **C10M 105/42** (2013.01 - EP US); **C10M 133/12** (2013.01 - EP US); **C10M 135/36** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2203/1045** (2013.01 - EP US); **C10M 2203/1065** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2207/28** (2013.01 - EP US); **C10M 2207/2805** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/286** (2013.01 - EP US); **C10M 2207/301** (2013.01 - EP US); **C10M 2207/34** (2013.01 - EP US); **C10M 2207/345** (2013.01 - EP US); **C10M 2215/06** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/065** (2013.01 - EP US); **C10M 2215/066** (2013.01 - EP US); **C10M 2215/067** (2013.01 - EP US); **C10M 2215/068** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2219/108** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2040/12** (2013.01 - EP US); **C10N 2040/13** (2013.01 - EP US)

Citation (search report)  
GB 768119 A 19570213 - EXXON RESEARCH ENGINEERING CO

Cited by  
EP0382071A1; US5232910A; EP0374671A1; EP0398113A1; DE3842703A1; EP0386636A1; DE3907392A1; US5892027A; USRE36066E; EP0386638A1; DE3907391A1; TR24748A; WO9009416A1; WO9010682A1; WO9010681A1; WO9014402A1; WO9006981A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0009746 A1 19800416**; **EP 0009746 B1 19811014**; DE 2843473 A1 19800417; DE 2961014 D1 19811224; JP S5558297 A 19800430; US 4362635 A 19821207

DOCDB simple family (application)  
**EP 79103593 A 19790924**; DE 2843473 A 19781005; DE 2961014 T 19790924; JP 12744379 A 19791004; US 20177580 A 19801029