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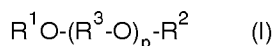
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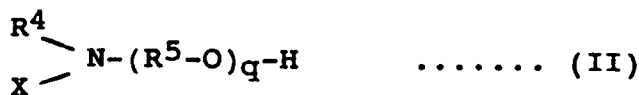
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(54) Lubricating oil composition

(57) A lubricating oil composition useful for metal rolling essentially comprises water added in the range of from 5 to 89.95 percent by mass; an oxygen-containing compound added in the range of from 10 to 94.95 percent by mass and represented by the formula



where R¹ and R² each independently are hydrogen or hydrocarbon groups of 1-18 carbon atoms, R³ is an alkylene group of 1-6 carbon atoms, p is an integer of 1-30; and a salt of fatty acid added in the range of from 0.05 to 10 percent by mass and selected from the group consisting of an alkaline metal salt of fatty acid of 6-22 carbon atoms, a salt of fatty acid of 6-22 carbon atoms and an alkanol amine of 1-15 carbon atoms, and a salt of fatty acid of 6-22 carbon atoms and a nitrogen-containing compound of the formula



where R⁴ is a hydrocarbon group of 1-24 carbon atoms, R⁵ is an ethylene or propylene group, q is an integer of 1-30, X is hydrogen, a hydrocarbon group of 1-24 carbon atoms or a group of the formula -(R⁶-O)_rH where R⁶ is an ethylene or propylene group and r is an integer of 1-30; the sum of the water and the compound of the formula (I) being in the range of from 80 to 99.95 percent by mass based on total composition.

The components as defined and their contents as specified are conducive to improved rolling performance and high surface gloss of rolled products.

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EUROPEAN SEARCH REPORT

Application Number
EP 95 85 0199

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US-A-4 452 712 (J.T.LAEMMLE) * column 3, line 4 - column 4, line 68; examples 1,10 *	1-8	C10M169/04 C10M173/02 //(C10M169/04, 105:14,105:18, 107:34,125:14, 129:40, 133:08), (C10M173/02, 129:08,129:16, 129:40,133:08, 145:26), C10N10:02, 40:24
X	US-A-4 830 768 (R.A.REICH) * column 1, line 58 - column 2, line 68 *	1-8	
X	US-A-4 243 537 (J.E.KNEPP) * column 2, line 34 - line 50 *	1-8	
X	EP-A-0 252 533 (BEROL S.A.) * page 11 - page 12; examples A,B,C,D *	1-8	
X	EP-A-0 367 080 (IDEMITSU KOSAN CO.) * page 2, column 1, line 40 - line 54 *	1-6	
X	US-A-3 580 847 (M.A.BOEHRER) * example 1 *	1-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C10M
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