

Title (en)
Gasoline composition.

Title (de)
Benzinzusammensetzung.

Title (fr)
Composition d'essence.

Publication
EP 0491439 B1 19940511 (EN)

Application
EP 91203301 A 19911213

Priority
GB 9027389 A 19901218

Abstract (en)
[origin: EP0491439A1] The invention provides gasoline compositions comprising a major amount of a gasoline suitable for use in spark-ignition engines and a minor amount of an alkali metal salt of a partial ester of an alkyl polyether alcohol of the general formula <CHEM> in which n is an integer from 4 to 25, R represents a C6-C20 alkyl group and each R<1> independently represents a hydrogen atom or a C1-C10 alkyl group, with a succinic acid derivative having as a substituent on at least one of its alpha-carbon atoms an unsubstituted or substituted aliphatic hydrocarbon group having from 15 to 200 carbon atoms which optionally is connected to the other alpha-carbon atom by means of a hydrocarbon moiety having from 1 to 6 carbon atoms, forming a ring structure; concentrates containing such salts of partial esters; and the use of such salts of partial esters as spark aider and anti-valve stick agent in gasoline compositions.

IPC 1-7

C10L 1/18; C10L 1/14

IPC 8 full level

C10L 1/14 (2006.01); C10L 1/18 (2006.01); C10L 1/182 (2006.01); C10L 1/19 (2006.01); C10L 1/195 (2006.01); C10L 1/198 (2006.01); C10L 1/22 (2006.01); C10L 1/2383 (2006.01); C10L 10/04 (2006.01); C10L 1/16 (2006.01); C10L 1/24 (2006.01); C10L 1/30 (2006.01)

CPC (source: EP KR)

C10L 1/10 (2013.01 - KR); C10L 1/14 (2013.01 - EP); C10L 1/146 (2013.01 - EP); C10L 1/1985 (2013.01 - EP); C10L 1/1608 (2013.01 - EP); C10L 1/1641 (2013.01 - EP); C10L 1/1824 (2013.01 - EP); C10L 1/1832 (2013.01 - EP); C10L 1/1852 (2013.01 - EP); C10L 1/2225 (2013.01 - EP); C10L 1/223 (2013.01 - EP); C10L 1/224 (2013.01 - EP); C10L 1/232 (2013.01 - EP); C10L 1/2383 (2013.01 - EP); C10L 1/2406 (2013.01 - EP); C10L 1/306 (2013.01 - EP)

Cited by

EP0555006A1; EP0706553A4; EP1721956A3; US5773483A; US6458173B1; US11174442B2; WO2018178672A1; WO0148121A1; EP1721956A2; US7994260B2; EP0530094B1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0491439 A1 19920624; EP 0491439 B1 19940511; AU 643347 B2 19931111; AU 8974891 A 19920625; BR 9105409 A 19920825; CA 2057705 A1 19920619; CN 1062752 A 19920715; DE 69101966 D1 19940616; DE 69101966 T2 19940901; ES 2055520 T3 19940816; GB 9027389 D0 19910206; HU 210915 B 19950928; HU 913966 D0 19920228; HU T60759 A 19921028; JP H04296393 A 19921020; KR 920012401 A 19920727; RU 2036953 C1 19950609; ZA 919836 B 19920930

DOCDB simple family (application)

EP 91203301 A 19911213; AU 8974891 A 19911216; BR 9105409 A 19911213; CA 2057705 A 19911216; CN 91108017 A 19911216; DE 69101966 T 19911213; ES 91203301 T 19911213; GB 9027389 A 19901218; HU 396691 A 19911216; JP 33207791 A 19911216; KR 910023004 A 19911214; SU 5010492 A 19911216; ZA 919836 A 19911213