

Title (en)  
GASOLINE COMPOSITION COMPRISING INDOLINE

Title (de)  
BENZINZUSAMMENSETZUNG MIT INDOLIN

Title (fr)  
COMPOSITION D'ESSENCE COMPRENANT DE L'INDOLINE

Publication  
**EP 3943580 A1 20220126 (EN)**

Application  
**EP 20382663 A 20200723**

Priority  
EP 20382663 A 20200723

Abstract (en)  
The present invention relates to a gasoline fuel composition comprising indoline and a gasoline base fuel which comprises 30-90 vol% of saturated hydrocarbons, 0-30 vol% of olefinic hydrocarbons, 10-60 vol% of aromatic hydrocarbons and 5-50 vol% of oxygenated hydrocarbons; to a process for preparing such composition; and to the use of indoline to improve the anti-knock properties of said gasoline.

IPC 8 full level  
**C10L 1/10** (2006.01); **C10L 1/02** (2006.01); **C10L 1/06** (2006.01)

CPC (source: EP)  
**C10L 1/023** (2013.01); **C10L 1/06** (2013.01); **C10L 1/232** (2013.01); **C10L 10/10** (2013.01); **C10L 2200/0423** (2013.01); **C10L 2270/023** (2013.01)

Citation (applicant)  

- US 2881061 A 19590407 - BRENNAN JAMES A, et al
- WO 2017050777 A1 20170330 - SHELL INT RESEARCH [NL], et al
- WO 2016135036 A1 20160901 - SHELL INT RESEARCH [NL], et al
- G. KALGHATGI ET AL., SAE TECHNICAL PAPER, vol. 01, 2005, pages 0244
- R. STRADLING ET AL., SAE TECHNICAL PAPER, vol. 01, 2015, pages 0767
- R. STRADLING ET AL., TRANSPORTATION RESEARCH PROCEDIA, vol. 14, 2016, pages 3159 - 3168
- P. MILES: "Technical Report", 2018, U.S. DEPARTMENT OF ENERGY
- CULLIS ET AL., TWENTY-FIRST SYMPOSIUM (INTERNATIONAL) ON COMBUSTION/THE COMBUSTION INSTITUTE, 1986, pages 1223 - 1230
- J. J. MCKETTA JR.: "Encyclopedia of Chemical Processing and Design", vol. 2, 1977, pages: 3

Citation (search report)  

- [XDI] WO 2016135036 A1 20160901 - SHELL INT RESEARCH [NL], et al
- [A] KUNO SCHÄDLICH1 ET AL: "Octane Enhancers", ULLMANN'S ENCYCLOPEDIA OF INDUSTRIAL CHEMISTRY, XX, XX, 1 January 2005 (2005-01-01), pages 1 - 15, XP007908552, DOI: 10.1002/14356007.A18 037

Cited by  
FR3142766A1; FR3142763A1; WO2024115863A1; WO2024115865A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3943580 A1 20220126**

DOCDB simple family (application)  
**EP 20382663 A 20200723**