

Title (en)
Composition for gas odorization

Title (de)
Gasodorierungsmittel

Title (fr)
Composition pour l'odorisation d'un gaz

Publication
EP 1329495 A2 20030723 (DE)

Application
EP 03004711 A 19990804

Priority
• DE 19837066 A 19980817
• EP 99944331 A 19990804

Abstract (en)
Odorizing a gas comprises adding a 1-12C acrylic acid, a nitrogen compound having a boiling point of 90-210 degrees C and a molecular weight of 80-160, and an antioxidant.

Abstract (de)
Eine Kombination von Acrylsäure und Stickstoffverbindungen eignet sich hervorragend zu einer schwefelfreien Odorierung von Gas.

IPC 1-7
C10L 3/00

IPC 8 full level
C10L 3/10 (2006.01); **C01B 32/50** (2017.01); **C10J 1/28** (2006.01); **C10K 3/00** (2006.01); **C10L 3/00** (2006.01)

IPC 8 main group level
C10L (2006.01)

CPC (source: EP US)
C10L 3/006 (2013.01 - EP US)

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)
LT

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US 7108803 B1 20060919; AT E233802 T1 20030315; AT E376045 T1 20071115; AU 5730899 A 20000314; AU 750863 B2 20020801; BR 9913053 A 20010508; CA 2340729 A1 20000302; CA 2340729 C 20061212; CZ 2001616 A3 20010711; CZ 296172 B6 20060111; DE 19837066 A1 20000224; DE 59904474 D1 20030410; DE 59914530 D1 20071129; DK 1109881 T3 20030714; DK 1329495 T3 20071126; EE 200100095 A 20020617; EP 1109881 A1 20010627; EP 1109881 B1 20030305; EP 1329495 A2 20030723; EP 1329495 A3 20060405; EP 1329495 B1 20071017; ES 2189476 T3 20030701; ES 2292868 T3 20080316; HU 227576 B1 20110829; HU P0103084 A2 20011128; HU P0103084 A3 20030128; IL 141169 A0 20020210; IL 141169 A 20040927; JP 2002523557 A 20020730; JP 3818060 B2 20060906; MX PA01001769 A 20020604; NO 20010691 D0 20010209; NO 20010691 L 20010209; NO 330898 B1 20110808; PL 190984 B1 20060228; PL 346017 A1 20020114; PT 1109881 E 20030731; RU 2226207 C2 20040327; SK 2332001 A3 20010911; SK 286720 B6 20090406; TR 200100463 T2 20010723; WO 0011120 A1 20000302; YU 11201 A 20030131; YU 49389 B 20051128

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US 76284701 A 20010312; AT 03004711 T 19990804; AT 99944331 T 19990804; AU 5730899 A 19990804; BR 9913053 A 19990804; CA 2340729 A 19990804; CZ 2001616 A 19990804; DE 19837066 A 19980817; DE 59904474 T 19990804; DE 59914530 T 19990804; DK 03004711 T 19990804; DK 99944331 T 19990804; EE P200100095 A 19990804; EP 03004711 A 19990804; EP 9905639 W 19990804; EP 99944331 A 19990804; ES 03004711 T 19990804; ES 99944331 T 19990804; HU P0103084 A 19990804; IL 14116999 A 19990804; JP 2000566379 A 19990804; MX PA01001769 A 19990804; NO 20010691 A 20010209; PL 34601799 A 19990804; PT 99944331 T 19990804; RU 2001107600 A 19990804; SK 2332001 A 19990804; TR 200100463 T 19990804; YU 11201 A 19990804