

Title (en)  
Composition for gas odorization

Title (de)  
Gasodorierungsmittel

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

Publication  
**EP 1329495 B1 20071017 (DE)**

Application  
**EP 03004711 A 19990804**

Priority  
• DE 19837066 A 19980817  
• EP 99944331 A 19990804

Abstract (en)  
[origin: US7108803B1] A mixture of acrylic acid and nitrogen compounds is particularly adapted to achieve a sulfur-free odorization of a gas.

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

IPC 8 main group level  
**C10L** (2006.01)

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

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)  
LT

DOCDB simple family (publication)  
**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