

Title (en)
Electrolytic cell for the production of gas

Title (de)
Elektrolytische Zelle zur Gaserzeugung

Title (fr)
Electrolyseur pour la production d'un gaz

Publication
EP 1577423 A3 20080213 (DE)

Application
EP 05003729 A 20050222

Priority
• DE 102004013593 A 20040319
• DE 102004032260 A 20040703

Abstract (en)
[origin: EP1577423A2] Cells (I) for gas production (preferably for operating a lubricant dispenser), comprise two electrodes (1, 1'), which are connected at one end with a current source (2) containing electric circuit (3); and an azide compound containing aqueous electrolyte liquid (4) for electro-chemical production of a nitrogen (N₂) gas is situated between the two electrodes. Cells (I) for gas production (preferably for operating a lubricant dispenser), comprises two electrodes (1, 1'), which are connected at one end with a current source (2) containing electric circuit (3); and an azide compound of formula (XN₃) containing aqueous electrolyte liquid (4) for electro-chemical production of a nitrogen (N₂) gas is situated between the two electrodes, where the electrolyte liquid contains a magnesium salt as additive for the chemical bond with the electro-chemical reaction resulting hydroxide ions.

IPC 8 full level
C25B 1/00 (2006.01); **B65D 83/14** (2006.01); **C25B 9/00** (2006.01)

CPC (source: EP KR US)
A44B 19/265 (2013.01 - KR); **C25B 1/00** (2013.01 - EP US); **A45B 25/18** (2013.01 - KR)

Citation (search report)
• [A] US 5423454 A 19950613 - LIPPMAN LAWRENCE G [US], et al
• [A] US 2003146104 A1 20030807 - OLOMAN COLIN [CA], et al
• [A] US 2004031695 A1 20040219 - OLOMAN COLIN [CA], et al

Cited by
DE102011004799A1; DE102011004799B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1577423 A2 20050921; EP 1577423 A3 20080213; EP 1577423 B1 20081210; AT E417143 T1 20081215; AU 2005201076 A1 20051006; AU 2005201076 B2 20090917; DE 102004032260 A1 20060223; DE 102004032260 B4 20060427; ES 2318373 T3 20090501; JP 2005264333 A 20050929; JP 4210664 B2 20090121; KR 20060043761 A 20060515; US 2005205418 A1 20050922; US 2008226953 A1 20080918; US 7563355 B2 20090721

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EP 05003729 A 20050222; AT 05003729 T 20050222; AU 2005201076 A 20050310; DE 102004032260 A 20040703; ES 05003729 T 20050222; JP 2005079783 A 20050318; KR 20050022247 A 20050317; US 7484208 A 20080306; US 7653005 A 20050309