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(54) Title: TREATMENT OF RUMINANT EXHALATIONS

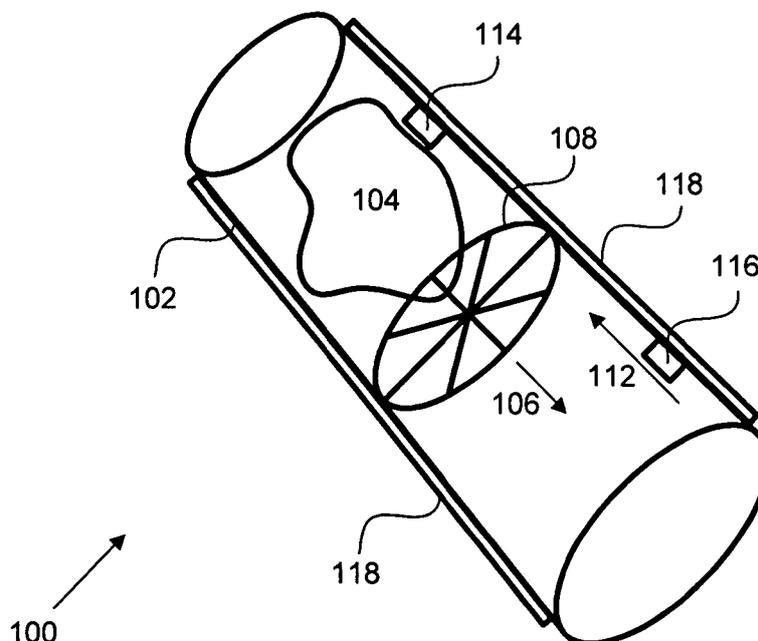


FIG. 1

(57) Abstract: An apparatus comprising a device suitable for retention in a nasal passage of a ruminant, the device is arranged to pass a ruminant exhalation. The device includes a first structure configured to oxidize methane gas in the ruminant exhalation and to pass products of the oxidized methane gas toward a nasal passage exit.



CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,488,635 B1 (Mottram) 03 December 2002 (03.12.2002), Abstract; col 1 ln 33-54; col 2 ln 29-60; col 3 ln 8-16; col 4 ln 10-65; col 5 ln 20-31; col 6 ln 31-39; col 7 ln 1-34; col 8 ln 17-43; col 12 ln 5-9; col 12 ln 62-67; col 13 ln 9-31; col 14 ln 5-18	1-56
Y	GB2469803 A (Walton et al.) 03 November 2010 (03.11.2010), page 1 para 1; page 3 para 3, 4; page 5 para 2; page 8 para 4 to page 9 para 1; page 11 para 4	1-56
Y	US 6,488,907 B1 (Barnes et al.) 03 December 22002 (03.12.2002), col 1 ln 10-26; col 3 ln 19-29, 45-47; col 6 ln 1-9	3-5
Y	US 2009/0288606 A1 (Zimmerman) 26 November 2009 (26.11.2009), Abstract; para [0016], [0017], [0058]	14, 16-18, 31-33, 37, 38, 43-46
A	US2006/0264683 A1 (Knox et al.) 23 November 2006 (23.11.2006),	1-56
A	US 20080318097 A1 (Botte) 25 December 2008 (25.12.2008), para [0045]-[0057]	1-56
A	US 7,745,197 B1 (Herrema et al.) 29 June 2010 (29.06.2010),	1-56
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Date of the actual completion of the international search		Date of mailing of the international search report
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