

Title (en)
GROUND FLARE

Title (de)
BODENFACKEL

Title (fr)
TORCHE EN MILIEU CLOS

Publication
EP 2372243 A4 20140820 (EN)

Application
EP 09834800 A 20091218

Priority
• JP 2009071156 W 20091218
• JP 2008335055 A 20081226

Abstract (en)
[origin: EP2372243A1] Provided is a ground flare in which a low-frequency vibration generated from a ground flare tower, such as a chimney, is properly adjusted to suppress it below a fixture-vibration generation limit, thereby preventing surrounding objects from resonating and vibrating. In a ground flare (10) that burns a flammable exhaust gas with a burner (11) at the lower end of a chimney, in which the lower end of the chimney (20) and the periphery of the burner (11) are surrounded by a windbreak (40), the low-frequency-noise sound pressure level of a ground flare tower composed of the chimney (20) and the windbreak (40) is reduced by selecting at least one of changing a natural frequency generated from the ground flare tower, using multiple ground flare towers, and installing a low-frequency-vibration absorber in the ground flare tower.

IPC 8 full level
F23G 7/08 (2006.01); **F23M 20/00** (2014.01)

CPC (source: EP KR US)
F23G 7/06 (2013.01 - KR); **F23G 7/08** (2013.01 - KR); **F23G 7/085** (2013.01 - EP US); **F23M 20/005** (2015.01 - EP US);
F23D 2210/00 (2013.01 - EP US); **F23J 2900/13003** (2013.01 - EP US)

Citation (search report)
• [XYI] US 4137036 A 19790130 - STRAITZ III JOHN F
• [X] US 3779689 A 19731218 - CORBLE J, et al
• [X] US 4092095 A 19780530 - STRAITZ III JOHN F
• [Y] JP S5396251 U 19780804
• [Y] JP S5398531 A 19780829 - KAJIMA CORP
• See references of WO 2010073999A1

Designated contracting state (EPC)
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