

Title (en)  
GROUND FLARE

Title (de)  
BODENFACKEL

Title (fr)  
TORCHE EN MILIEU CLOS

Publication  
**EP 2372243 A1 20111005 (EN)**

Application  
**EP 09834800 A 20091218**

Priority  
• JP 2009071156 W 20091218  
• JP 2008335055 A 20081226

Abstract (en)  
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)  
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