

Title (en)
Ignition device for oil burner

Title (de)
Zündungsvorrichtung für Ölbrenner

Title (fr)
Dispositif d'allumage de brûleur à mazout

Publication
EP 2667095 A3 20171206 (EN)

Application
EP 13275118 A 20130515

Priority
• JP 2012116515 A 20120522
• JP 2013097311 A 20130507

Abstract (en)
[origin: EP2667095A2] Provided herein is an ignition device for an oil burner, which may maintain stable ignition performance without the need of ignition means such as a match and a lighter. A combustion wick (3) is disposed in a space formed between an inner combustion wick cylinder (1) and an outer combustion wick cylinder (2). An ignition electrode (4) is provided to face a portion of the combustion wick (3), which is exposed above the inner and outer combustion wick cylinders (1) and (2). Also provided is a generator (15) capable of generating electricity by means of a manual rotating operation. A charging circuit (21) is connected to an output of the generator (15) to charge an electricity storing means (20) with an output of the charging circuit (21). The electric power generated by the manually rotated generator (15) is stored in the electricity storing means (20). The electric power is supplied from the electricity storing means (20) to the high-voltage oscillation circuit (5) by means of the ignition operation using an ignition switch (19). Then, the high-voltage oscillation circuit (5) is activated to cause spark discharge to occur at the ignition electrode to ignite the combustion wick (3).

IPC 8 full level
F23D 3/18 (2006.01)

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Citation (search report)
• [Y] JP H1151317 A 19990226 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] JP 2007330024 A 20071220 - SONY CORP
• [Y] JP 2002139786 A 20020517 - OLYMPUS OPTICAL CO
• [Y] JP S5339661 U 19780406
• [A] JP H08121769 A 19960517 - SANYO ELECTRIC CO

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