

Title (en)
GENERATOR OF FLASHES OF LIGHT

Title (de)
LICHTBLITZGENERATOR

Title (fr)
GÉNÉRATEUR DE FLASHS LUMINEUX

Publication
EP 4059319 A1 20220921 (FR)

Application
EP 20807847 A 20201030

Priority
• FR 1912659 A 20191113
• FR 2020051964 W 20201030

Abstract (en)
[origin: WO2021094666A1] The invention relates to a generator (10a) of flashes of light, comprising: a discharge lamp (11) made up of a tube (14) into which xenon is incorporated, two discharge electrodes (12, 13), and an ionisation electrode (16); a discharging circuit (Cd) that is configured to form an electric arc discharge between the two discharge electrodes; an ionisation electrical circuit (Ci) that is configured to form at least one ionisation electric arc between the two discharge electrodes and to convert the xenon into plasma; a simmer supply circuit (Cs) configured to generate a current of constant magnitude in the discharge lamp and to sustain the plasma formed by the ionisation electric arc; and at least one magnetic-field generator (30) that is located outside the tube and configured to move the plasma substantially to the axis of revolution of the tube before the generation of at least one electric arc discharge.

IPC 8 full level
H05B 41/34 (2006.01); **H05H 1/02** (2006.01); **H05H 1/46** (2006.01); **H05H 1/48** (2006.01)

CPC (source: EP)
H05B 41/34 (2013.01)

Citation (search report)
See references of WO 2021094666A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3103075 A1 20210514; FR 3103075 B1 20230421; EP 4059319 A1 20220921; WO 2021094666 A1 20210520

DOCDB simple family (application)
FR 1912659 A 20191113; EP 20807847 A 20201030; FR 2020051964 W 20201030