

Title (en)
MONITORING LIGHT EMISSIONS

Title (de)
ÜBERWACHUNG VON LICHTEMISSIONEN

Title (fr)
SURVEILLANCE DES ÉMISSIONS DE LUMIÈRE

Publication
EP 3871473 A1 20210901 (EN)

Application
EP 19806069 A 20191024

Priority
• US 201862751267 P 20181026
• US 2019057944 W 20191024

Abstract (en)
[origin: WO2020086901A1] Provided is a system that includes a vacuum chamber with an interior region that is configured to receive a target and a light beam. The target material emits extreme ultraviolet (EUV) light when in a plasma state. The system also includes a detection system configured to image the interior region by detecting light emission from atoms, ions, or molecules in the interior region and producing a representation of a spatial distribution of the light emission in the interior region. A control system is coupled to the detection system. The control system is configured to analyze the representation of the spatial distribution to determine a spatial distribution of the light emission from atoms, ions, or molecules in the interior region, and determine whether to adjust a property of the light beam and/or a property of the vacuum chamber based on the spatial distribution of the light emission.

IPC 8 full level
H05G 2/00 (2006.01)

CPC (source: EP KR)
H05G 2/005 (2013.01 - EP KR); **H05G 2/008** (2013.01 - EP KR)

Designated contracting state (EPC)
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Designated extension state (EPC)
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