

Title (en)

BORESCOPE FOR OPTICALLY INSPECTING GAS TURBINES

Title (de)

BOROSKOP ZUR OPTISCHEN INSPEKTION VON GASTURBINEN

Title (fr)

BOROSCOPE POUR L'INSPECTION OPTIQUE DE TURBINES À GAZ

Publication

EP 3911943 A1 20211124 (DE)

Application

EP 20702735 A 20200114

Priority

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- EP 2020000008 W 20200114

Abstract (en)

[origin: CA3124778A1] The invention relates to a borescope (10, 11) for optically inspecting gas turbines, in particular aircraft engines (1). The borescope (10, 11) comprises an electronic image capturing unit (12) as a borescope objective lens at the end of a shaft (13) which is suitable for insertion into a borescope opening and suitable for exact positioning of the borescope objective lens relative to the borescope opening, data and supply lines (15) for the image capturing unit (12) being guided through said shaft. The image capturing unit (12) has two spaced apart image capturing sensors (18), the recording cones (18") of which overlap in a predefined recording plane (22) to form a recording region (23) in such a way that the image data from the two image capturing sensors (18) can be processed into 3D data by triangulation.

IPC 8 full level

G01N 21/95 (2006.01); **G01N 21/954** (2006.01)

CPC (source: EP US)

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