

Title (en)

IRRADIATION SYSTEM FOR A DEVICE FOR GENERATIVE PRODUCTION

Title (de)

BESTRAHLUNGSSYSTEM FÜR EINE VORRICHTUNG ZUR GENERATIVEN FERTIGUNG

Title (fr)

SYSTÈME D'IRRADIATION DESTINÉ À UN DISPOSITIF DE PRODUCTION GÉNÉRATIVE

Publication

**EP 3265258 A1 20180110 (DE)**

Application

**EP 16708629 A 20160301**

Priority

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- EP 2016054269 W 20160301

Abstract (en)

[origin: WO2016139187A1] An irradiation system (3) for a device (1) for laser-based generative production has a first beam source (13) of a first laser beam (13A) and a second beam source (15) of a second laser beam (15A), wherein the second laser beam (15A) has a beam quality that is higher than that of the first laser beam (13A). Furthermore, the irradiation system (3) has a common scanner optics (21) for focusing the first laser beam (13A) and the second laser beam (13B) within a production space (5) of the device (1) and a beam guiding system with a first beam path (13A') for guiding the first laser beam (13A) from the first beam source (13) to the scanner optics (21) and with a second beam path (15A') for guiding the second laser beam (15A) from the second beam source (15) to the scanner optics (21), wherein the beam guiding system has a beam combiner (19) for superimposing the beam paths of the first beam path (13A') and the second beam path (15A').

IPC 8 full level

**B22F 3/105** (2006.01); **B29C 67/00** (2017.01); **H01S 3/23** (2006.01)

CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016139187A1

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