

Title (en)

System with high energy efficiency for indirectly heating a target medium using electromagnetic radiation

Title (de)

System mit hoher Leistungsfähigkeit zur indirekten Erhitzung eines Zielmittels mit elektromagnetischer Strahlung

Title (fr)

Système à haute efficacité énergétique pour le chauffage indirect d'une cible avec rayonnement électromagnétique

Publication

**EP 1746864 B1 20100120 (EN)**

Application

**EP 04077354 A 20040818**

Priority

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Abstract (en)

[origin: EP1746864A1] The present invention generally relates to a system for indirectly heating a target medium, characterised by the fact that said system comprises an energy converter to convert electrical energy into electromagnetic radiation which is then absorbed by a suitable medium wherein said electromagnetic radiation is converted into heat, whereby the overall energy efficiency of the system is higher than 80 percent.

IPC 8 full level

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Cited by

CN101799206A; CN101881480A; WO2014207700A2; WO2016157230A1; WO2010139976A1; WO2023118781A1

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