

Title (en)
METHOD AND APPARATUS FOR ANALYSING METAL POWDER

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ANALYSE VON METALLPULVER

Title (fr)
PROCÉDÉ ET APPAREIL POUR ANALYSER UNE POUDRE MÉTALLIQUE

Publication
EP 3969212 A1 20220323 (EN)

Application
EP 20729145 A 20200515

Priority

- GB 201906876 A 20190515
- GB 2020051187 W 20200515

Abstract (en)
[origin: WO2020229834A1] A method and apparatus for analysing a metal powder for use in an additive manufacturing process involving: providing the powder in a close packed state adjacent a barrier; illuminating a region of the powder through the barrier; separately detecting the illuminating radiation received back from different parts of the illuminated region of the powder through the barrier, to produce an output which depends on the detected radiation; and processing the output to determine one or more properties of the powder. The barrier may be a wall of a container or conduit. The apparatus may form part of powder transport or additive manufacturing apparatus.

IPC 8 full level
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CPC (source: EP GB US)
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GB 2020051187 W 20200515; CA 3140550 A 20200515; EP 20729145 A 20200515; GB 201906876 A 20190515; JP 2021568301 A 20200515