

Title (en)

DEVICE, METHOD AND CAPACITOR-PLATE SET FOR PRODUCING A PARTICLE-FOAM PART

Title (de)

VORRICHTUNG, VERFAHREN UND KONDENSATORPLATTEN-SET ZUR HERSTELLUNG EINES PARTIKELSCHAUMSTOFFTEILS

Title (fr)

DISPOSITIF, PROCÉDÉ ET ENSEMBLE PLAQUE-CONDENSATEUR POUR PRODUIRE UNE PIÈCE EN MOUSSE DE PARTICULES

Publication

**EP 4330004 A1 20240306 (DE)**

Application

**EP 22725199 A 20220422**

Priority

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Abstract (en)

[origin: WO2022229030A1] A device (1) for producing a particle-foam part by means of electromagnetic radiation comprises a mould (3), which delimits a cavity (14), which is arranged between two capacitor plates (15, 16). At least one of the capacitor plates (15, 16) is formed by multiple segments (85, 86), and so the surface area of the capacitor plate (15, 16) is adaptable to the size of the mould (3). To produce particle-foam parts, electromagnetic radiation is used to fuse together foam particles between capacitor plates (15, 16), with the segments (85, 86) being combined. A capacitor-plate set (90) comprises capacitor-plate segments (85, 86), which are designed so as together to form a capacitor plate (15, 16).

IPC 8 full level

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