

Title (en)

PLURALITY OF PARTICLES HAVING COATING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

VIELZAHL VON PARTIKELN MIT BESCHICHTUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

PLURALITÉ DE PARTICULES DOTÉES DE REVÊTEMENT ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication

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Application

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Abstract (en)

[origin: WO2022112377A1] The invention relates to a plurality of particles having a coating, the particles consisting of a metal selected from the group consisting of copper, cobalt, ruthenium, nickel, palladium, iridium, platinum, an alloy based on one of said metals, and alloys based on a mixture of two or more of said metals, and the coating being a graphene-like coating, characterized in that, after being compressed into a test specimen, the thermal conductivity of the particles having the coating is  $\geq$  the thermal conductivity of the same particles without the coating, and in that the abrasion rate is  $\leq 15 \cdot 10^{-4}$  mm<sup>3</sup>/N\*m, preferably  $\leq 5 \cdot 10^{-4}$  mm<sup>3</sup>/N\*m.

IPC 8 full level

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