

Title (en)

PROCESS FOR COATING THE SURFACE OF WORKPIECES

Title (de)

VERFAHREN ZUR OBERFLÄCHENBESCHICHTUNG VON WERKSTÜCKEN

Title (fr)

PROCÉDÉ DE REVÊTEMENT DE LA SURFACE DE PIÈCES À USINER

Publication

**EP 4045602 A1 20220824 (DE)**

Application

**EP 20797016 A 20201014**

Priority

- AT 508922019 A 20191016
- AT 2020060371 W 20201014

Abstract (en)

[origin: WO2021072469A1] The invention relates to a process for coating the surface of workpieces (1), in which process a coating agent is applied to the workpiece (1) and subsequently is cured in an alternating electromagnetic field. In order to make possible a high-quality surface coating despite a shorter process duration even in the case of standard coating agents, in particular in the case of liquid lacquers, according to the invention, first the volatile components of the coating agent are expelled in an alternating electromagnetic field having a first frequency spectrum, whereupon, in order to cross-link and/or cure the remaining coating agent fractions, the surface of the workpiece is heated in an alternating electromagnetic field having a second frequency spectrum, the frequency range of which lies below the first frequency spectrum.

IPC 8 full level

**C09D 5/00** (2006.01)

CPC (source: AT EP US)

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