

Title (en)

Process and apparatus with an automatic closed circuit for dirt free cleaning of monuments and buildings

Title (de)

Verfahren und Vorrichtung, arbeitend mit einem automatischen, geschlossenen Kreislauf, zum staubfreien Reinigen von Monumenten und Gebäuden

Title (fr)

Procédé et installation à circuit fermé automatique pour le ragréement non polluant de monuments et de bâtiments

Publication

EP 0673717 B1 19980603 (FR)

Application

EP 94630053 A 19940913

Priority

LU 88407 A 19930913

Abstract (en)

[origin: EP0673717A1] The refurbishing of dirty monuments and buildings consists of projecting against the surface a granular material by compressed air. The projected material is a dry powder composed of very soft tiny granules. The powder is projected onto the surface by compressed air injectors supplied by a compressor outside a cabin mounted on a work platform which is open towards the surface. The powder is normally projected almost vertically downwards. The distance and the jet pressure are dependent upon the diverse nature of the surfaces and the adherence of the dirt so that the powder exerts on the surface a rubbing action which optimises cleaning. The injectors are automatically directed towards slots in the front edge of the cabin floor. Convection injectors under the cabin floor direct the mixture of powder and dirty waste to a separator with a filter, adjacent to the cabin. The separator automatically directs the waste to a sealed container on the ground and the powder to a container, adjacent to the separator, from where it is automatically recycled.

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IPC 8 full level

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