

Title (en)

Apparatus for protecting buildings and civil engineering constructions against water and moisture.

Title (de)

Vorrichtung zum Schützen von Gebäuden und Bauwerken vor Wasser und Feuchtigkeit.

Title (fr)

Dispositif de protection des bâtiments et ouvrages de génie civil contre l'eau et l'humidité.

Publication

**EP 0029400 A1 19810527 (FR)**

Application

**EP 80420125 A 19801113**

Priority

FR 7928864 A 19791116

Abstract (en)

1. A device to protect buildings and civil engineering works from water and moisture, comprising a periheral system of tubes (16) situated on the outside of the building or works to be protected and a system of tubes (10) that is present below the building or works to be protected, the two systems (10, 16) being connected together by tubes passing through the external walls (1 to 4) or their foundations (8), each system consisting of perforated tubes (11) sunk into a drainage material (15) and enabling water to be collected by emersion and then to be drained off, characterized in that the system of tubes (10) that is present below the building or works is a geometrical lattice system that is present below the whole surface of that building or of those works, the said lattice system (10) being connected to tubes of the external peripheral system (16) by tubes passing approximately horizontally through the external walls (1 to 4) or their foundations (8), such that the lattice system (10) that extends below the whole surface of the building or of the works, and the external peripheral system (16) are on the same plane, these systems being laid on an excavated base (9) at a slight slope so that their plane is slightly inclined to the horizontal to enable water to be carried away by gravity to the lower point in the whole of these systems (10, 16).

Abstract (fr)

Ce procédé consiste à prévoir, sous toute la surface occupée par le bâtiment ou l'ouvrage à protéger, un réseau maillé de captage par émergence et d'évacuation des eaux, noyé dans la partie inférieure d'une couche drainante (15) constituée de pierres concassées ou similaires, de préférence en léger dévers. Ce réseau, par exemple à mailles carrées, est formé de tubes interconnectés (11) présentant des séries de perforations (13), tubes qui non seulement sont présents sous toute la surface du bâtiment ou de l'ouvrage, mais encore traversent les parois extérieures (2) ou leurs fondations (8), et peuvent se prolonger, à l'extérieur de ces parois ou fondations, par d'autres tubes interconnectés (16) situés dans des plans verticaux.

IPC 1-7

**E02D 31/02**

IPC 8 full level

**E02D 31/02** (2006.01)

CPC (source: EP)

**E02D 31/02** (2013.01)

Citation (search report)

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