

Title (en)

APPARATUS FOR PROTECTING BUILDINGS AND CIVIL ENGINEERING CONSTRUCTIONS AGAINST WATER AND MOISTURE

Publication

**EP 0029400 B1 19840509 (FR)**

Application

**EP 80420125 A 19801113**

Priority

FR 7928864 A 19791116

Abstract (en)

[origin: EP0029400A1] 1. A device to protect buildings and civil engineering works from water and moisture, comprising a peripheral 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).

IPC 1-7

**E02D 31/02**

IPC 8 full level

**E02D 31/02** (2006.01)

CPC (source: EP)

**E02D 31/02** (2013.01)

Cited by

US4622790A; GB2208465B; US4523875A; US4534143A; KR100481148B1; EP1382752A1; FR2842549A1; US5836115A

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0029400 A1 19810527; EP 0029400 B1 19840509**; AT E7411 T1 19840515; DE 3067781 D1 19840614; ES 496895 A0 19820101; ES 8201667 A1 19820101; FR 2469507 A1 19810522; FR 2469507 B1 19821231

DOCDB simple family (application)

**EP 80420125 A 19801113**; AT 80420125 T 19801113; DE 3067781 T 19801113; ES 496895 A 19801115; FR 7928864 A 19791116