

Title (en)

BUFFER TANK WITH ALVEOLAR STRUCTURE FOR RETAINING AND REGULATING NATURAL WATERS

Publication

EP 0286662 B1 19901205 (FR)

Application

EP 87906666 A 19871001

Priority

FR 8613818 A 19861003

Abstract (en)

[origin: WO8802422A1] Buffer tank for the storage of waters collected in urban environments or on surfaces such as roads or sport fields, when the water flow rates exceed the capacity of the evacuation network of natural waters. The tanks according to the invention comprise a drainage layer (2) consisting of porous materials, particularly gravel (7) or blocks (8) distributed on the bottom of the tank, and at least one layer consisting of an alveolar structure (3) formed by juxtaposition of vertical pigeon holes (4). This structure may be covered on its horizontal faces with a filtering material (9, 10). The surface of the tank is covered with earth or with a pervious or impervious coating (11). The sides and the bottom of the tank may be covered with a sealing film (16). According to an alternative, certain pigeon holes are filled with hydrophilic material which preserves the moisture of a coating (11) consisting of a lawn.

IPC 1-7

E03F 5/10

IPC 8 full level

E03F 5/10 (2006.01)

CPC (source: EP)

E03F 5/101 (2013.01)

Citation (examination)

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