

Title (en)
DEVICE FOR DETECTING AND SEALING LEAKAGES

Publication
EP 0028659 B1 19830608 (DE)

Application
EP 79104399 A 19791108

Priority
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Abstract (en)
[origin: EP0028659A1] 1. Leakage indicator and leakage device for a concrete wall which is under fluid pressure, where the wall is of multilayer form and the individual layers (7, 6) are produced in succession, and on a first concrete layer (4), facing the fluid pressure side, a web (1) is applied, and between this watertight web (1) and a second concrete layer (6) a fluid-permeable layer is formed, and where the fluid-permeable layer is subdivided into fluid-tight portions by partitions, in which conduits (4, 5) are introduced at intervals against the fluid-tight web (1), which serve for detection of escape of water and for forcing in of sealing material, characterised in that the fluid-permeable layer consists of a fleece (3) with open, high pore volume and the partitions formed as I-sections (2) cut through the fleece (3) or so compress it, that no open pore volume remains, and that the second concrete layer (6) is poured against the fleece (3) and that the conduits (4, 5) fit up against the fluid-tight web (1) and are provided with lateral openings in the neighbourhood of the passage through the fleece (3).

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E04B 1/66

IPC 8 full level
B65D 90/50 (2006.01); **E02D 31/02** (2006.01); **E04B 1/66** (2006.01)

CPC (source: EP US)
E02D 31/02 (2013.01 - EP US); **E04B 1/665** (2013.01 - EP)

Cited by
EP0251045A3; US5673528A; CN113356678A; ES2565106A1; DE3600374A1; DE19832344A1; DE3719443A1; WO2014131418A1

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