

Title (en)
METHOD AND APPARATUS FOR VENTILATION OF FOUNDATIONS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR LÜFTUNG VON FUNDAMENTEN

Title (fr)
PROCEDE ET DISPOSITIF D'AERATION DE FONDATIONS

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Application
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Abstract (en)
[origin: WO0171102A2] Arrangement for protecting floors above the crawl space and buildings on foundations of the crawl-space type from damp and microbial growth, where the crawl space (2) is delimited by the floor (4) above the crawl space of the building, bearing foundation walls (1) with vents (9) for outdoor air and the foundation ground (3). The arrangement comprises an essentially windtight and vapourtight climate screen (12) which is arranged in such a manner that it divides the crawl space (2) into at least one upper (10) and at least one lower (11) climate zone and forms a tight partition between the climate zones. The climate screen (12) is located at such at height in the crawl space (2) that the outdoor air vents (9) in the foundation walls (1) communicate with only the lower climate zone (11). The upper climate zone (10) is provided with at least one supply air opening (18) which is connected to a room above in the building, and an exhaust air opening (21; 22) which is connected to a discharge duct (23; 24). A fan (25) is arranged in association with the discharge duct (23; 24), by means of which it is possible to maintain a lower pressure in the upper climate zone (10) than the pressure in said room above, so that the upper climate zone (10) is ventilated by indoor air from the building and the lower climate zone (11) is ventilated by outdoor air. The invention also relates to a method of protecting the floor above the crawl space from damp and microbial growth.

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