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(54) Title: AN EVAPORATIVE COOLING PAD FOR AN AIR TREATMENT UNIT

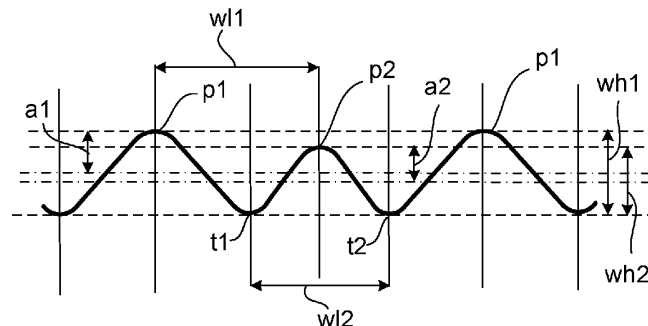


Fig. 3a

(57) Abstract: The invention relates to an evaporative cooling pad (2) for an air treatment unit (1), the evaporative cooling pad (2) comprising: a first set (18) of corrugated sheets (20) and a second set (22) of corrugated sheets (20) having corrugations defined in a direction transversely of a horizontal plane (24) of the pad, the sheets 20 of the first set (18) being disposed alternatively with the sheets (20) of the second set (22), with the corrugations of the first set (18) crossing the corrugations of the second set (22); said crossed corrugations defining passageways (26) penetrating from a first edge (28) to a second edge (30) of the pad (2), the corrugations of said corrugated sheets (20) bearing against one another so that the sheets (20) touch where at least one of the wave peaks (p1) and wave troughs (t1, t2) of their respective corrugations cross; at least one wave peak (p2) between two wave peaks (p1) of equal amplitude (a1) of at least one of the first and second set (18, 22) of corrugated sheets (30) has a smaller amplitude (a2) than the wave peaks (p1) of equal amplitude (a1), wherein the wave length (w12) of the wave troughs (t1, t2) on each side of the at least one wave peak (p2) with smaller amplitude (a2) is smaller than the wave length (w11) of the two wave peaks (p1) of equal amplitude (a1) on each side of the wave peak (p2) with smaller amplitude (a2).

[Continued on next page]

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