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(71)(72) Applicant and Inventor: BAGHSHANI, Mohammad, Taghi [IR/AU]; 4/2 Botany Street, Randwick, NSW 2032 (AU).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: BLISS, Peter [-/AU]; 4/2 Botany Street, Randwick, NSW 2032 (AU).

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(54) Title: A PROCESS AND APPARATUS FOR TREATING WASTE WATER

(57) Abstract

This invention concerns a process for treating waste water, and other liquids, and in further aspect concerns an apparatus for the treatment of waste water. The invention may find application in a range of waste water plants ranging from the domestic to the largest municipal plants, and for the treatment of even the most polluted waste water. The invention also may find application in biotechnological processes. The apparatus comprises two or more aerator/filter elements (1, 2) and/or (19, 20) each of which has an associated pressurized gas supply (3, 4, 5, 6) and/or (37, 38, 46, 47) and an associated effluent drain (7, 8, 9, 10) and/or (35, 36, 44, 45). The supplies and drains are valved and controlled such that, in use, each element is alternately supplied with pressurized gas or drained. The invention also concerns a treatment plant comprising the treatment apparatus arranged in an array.

