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(71) Applicant: **NANYANG TECHNOLOGICAL UNIVERSITY** [SG/SG]; 50 Nanyang Avenue, Singapore 639798 (SG).

(72) Inventors: **YANG, En-Hua**; c/o NANYANG TECHNOLOGICAL UNIVERSITY, 50 Nanyang Avenue, Singapore 639798 (SG). **LIU, Yiquan**; c/o NANYANG TECHNOLOGICAL UNIVERSITY, 50 Nanyang Avenue, Singapore 639798 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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(54) Title: WASTE INCINERATOR ASH AS AERATING AGENT FOR THE MANUFACTURE OF LIGHTWEIGHT CONSTRUCTION MATERIALS

(57) Abstract: A method of manufacturing a lightweight concrete is provided. The method includes a) providing ash obtained from incineration of waste, the ash comprising at least about 0.1 wt% metallic aluminum; b) mixing the ash with a binder to form a mixture; and c) curing the mixture to obtain the lightweight concrete. Lightweight concrete and use of ash as an aerating agent such as an aerating agent in manufacturing of lightweight construction materials are also provided.

