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(71) Applicant (for all designated States except US): **UNIVERSITY OF NEWCASTLE UPON TYNE** [GB/GB];
6 Kensington Terrace, Newcastle upon Tyne Tyne and Wear NE1 7RU (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **AKAY, Galip** [TR/GB]; School of Chemical Engineering and Advanced Materials, University of Newcastle upon Tyne, 6 Kensington Terrace, Newcastle upon Tyne Tyne and Wear NE1 7RU (GB).(74) Agent: **ARCHER, Graham**; Urquhart-Dykes & Lord LLP, Cale Cross House, 156 Pilgrim Street, Newcastle upon Tyne Tyne and Wear NE1 6SU (GB).

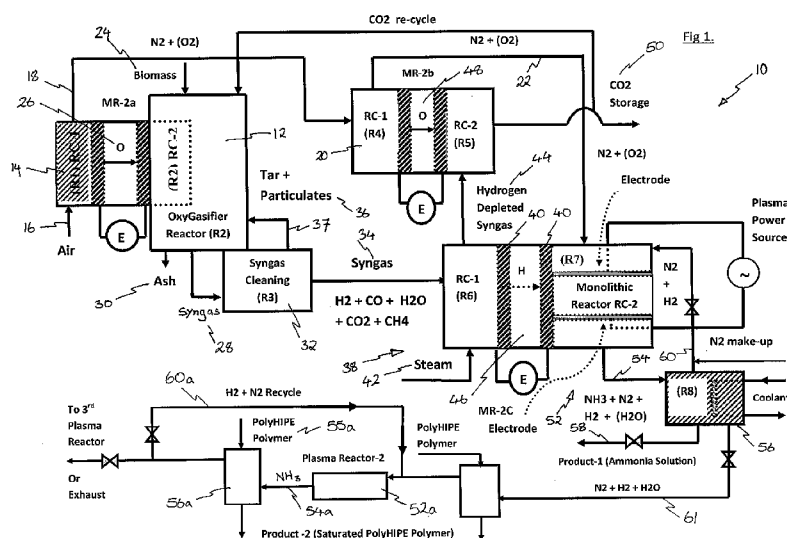
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(54) Title: AMMONIA PRODUCTION BY INTEGRATED INTENSIFIED PROCESSES



(57) Abstract: An ammonia production process is disclosed. The process uses gasification of biomass waste and the like to produce syngas which, using an integrated system including using nitrogen enriched air and a porous coated catalyst, produces ammonia in a plasma reactor. The ammonia is finally recovered using sulphonated PolyHIPE Polymer which can be used as a fertilizer after neutralisation.