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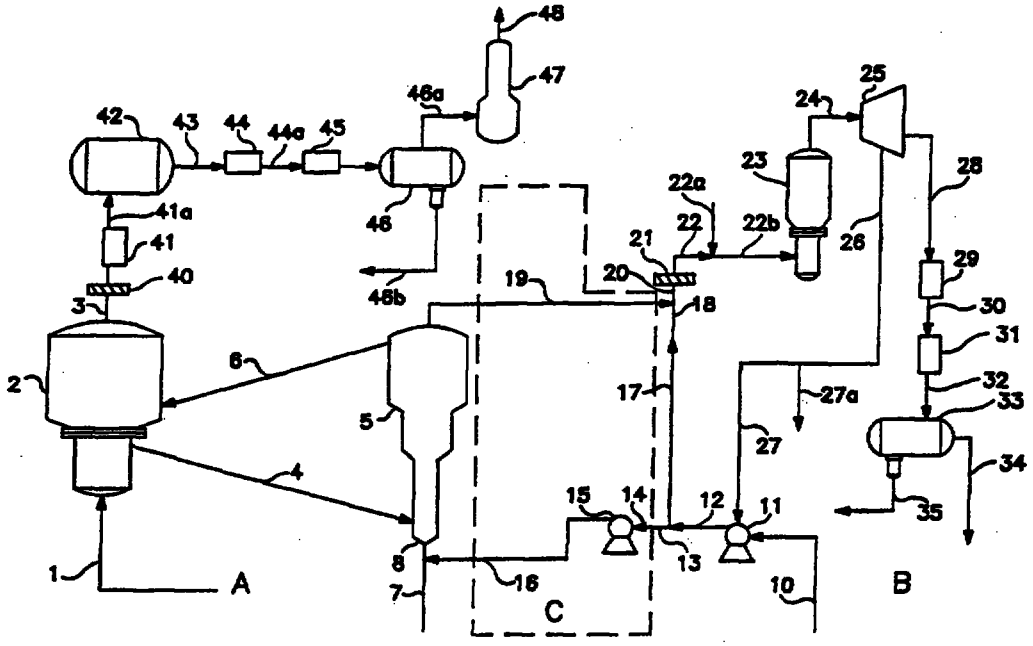

(57) Abstract

A process for integration of a steam reforming unit and a cogeneration power plant in which the steam reforming unit comprises two communicating fluid beds. The first fluid bed comprises a reformer containing catalyst; the second fluid bed comprises a combustor/regenerator which receives spent catalyst and provide heat to heat the catalyst. The integration of the two units is brought about by drawing off a portion of compressed air from the power plant gas turbine equipped with an air compressor and introducing the drawn off compressed air to the combustor/regenerator.