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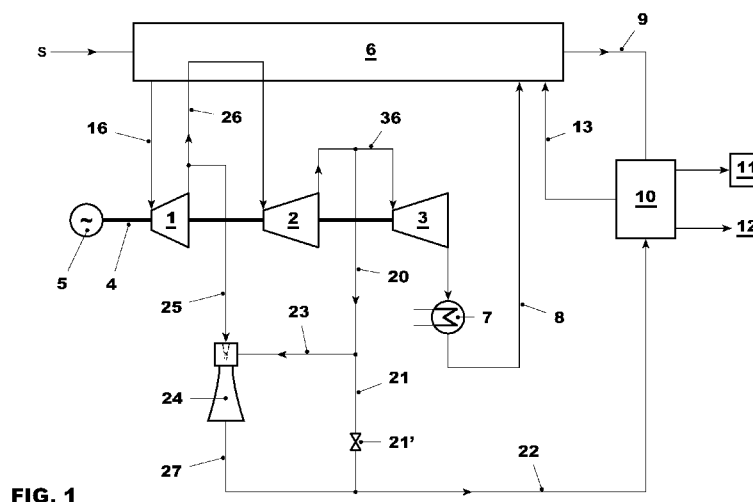
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(54) Title: POWER PLANT WITH CO₂ CAPTURE AND METHOD TO OPERATE SUCH POWER PLANT(57) Abstract: A fossil fuel fired power plant for the generation of electrical energy comprises a water steam cycle and a plant (10) for the capture of CO₂ from exhaust gases emitted by the power plant and a steam jet ejector (24) configured and arranged to receive an input steam flow from a low- or intermediate pressure extraction point in the power plant and to increase its pressure. It is further arranged to receive motive steam (25) from a further extraction point in the power plant. A steam line (27, 22) directs the steam of increased pressure from the steam jet ejector (24) to the CO₂ capture plant (10). The power plant according to this invention allows the use of low-pressure steam for the operation of the CO₂ capture plant, where the extraction of such steam affects the overall efficiency of the power plant to a lesser degree than in power plant of the state of the art.