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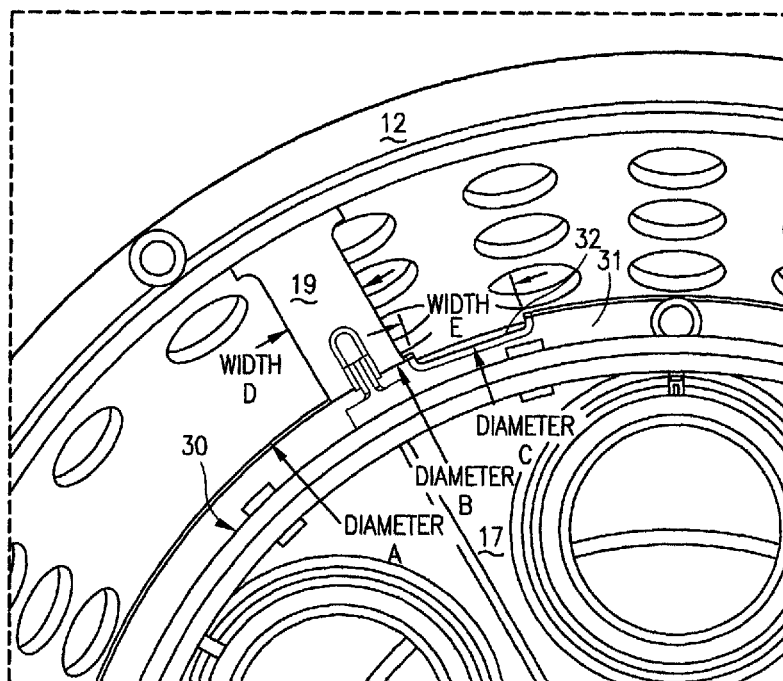
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(54) Title: LOW NOX COMBUSTION LINER WITH COOLING AIR PLENUM RECESSES



(57) Abstract: A combustion liner assembly for reducing nitric oxide (NOx) emissions is disclosed. This combustion liner utilizes an annular plenum outside the liner shell for the purpose of containing cooling air that has been heated and reintroducing it into the combustion process. The air plenum can be enlarged to increase the amount of cooling air contained within and still allow for installation of the liner assembly into the combustor by utilizing recesses that locally reduce the diameter of the air plenum to allow it to pass by liner mounting pegs within the combustor assembly.



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