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(54) **Method for designing turbo-machine blades, specifically gas turbine and steam turbine blades**

(57) A method for designing turbo-machine blades includes: determining primary fluid-dynamic data (FDS) related to a plurality of first blade sections (S_1, S_2, **...,** S_K) ; determining structural data (SDS); and correlating fluid-dynamic data (FDS) to corresponding structural data (SDS). Furthermore, correlating fluid-dynamic data (FDS) to corresponding structural data (SDS) includes: determining interpolated fluid-dynamic data (FDS'), related to a plurality of second blade sections (S_{INTH}) interposed between corresponding first blade sections (S_1, S_2, ..., S_K), starting from primary fluid-dynamic data (FDS); defining a modified fluid-dynamic data set (FDS"), including both primary fluid-dynamic data (FDS) and interpolated fluid-dynamic data (FDS'); and associating modified fluid-dynamic data (FDS") to corresponding structural data (SDS).

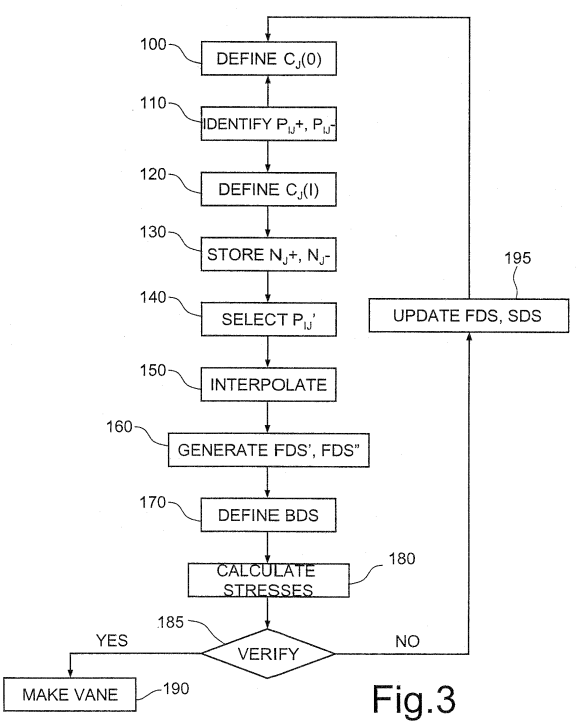

Fig.3

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