Title (en)
METHOD FOR PROVIDING AT LEAST ONE DESIGN CONFIGURATION OF A COMPRESSED-AIR SYSTEM

Title (de)
VERFAHREN ZUR BEREITSTELLUNG MINDESTENS EINER AUSLEGUNGSKONFIGURATION EINER DRUCKLUFTANLAGE

Title (fr)
PROCÉDÉ DE PRÉPARATION D'AU MOINS UNE CONFIGURATION DE CONCEPTION D'UNE INSTALLATION À AIR COMPRIMÉ

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Abstract (en)
[origin: WO2023001903A1] The invention relates to a method for providing at least one design configuration of a compressed-air system (1) comprising at least two parallel-connected compressors (11, 12), wherein the method comprises the following steps. A computer receives component data (Dk), wherein the component data (Dk) comprise a compressor list (Lv) containing multiple compressors (V1, V2, …, Vn) of different types. The computer generates a branched data structure (B). A computer generates compressed-air system configuration data (Dkonf1, Dkonf2) specifying compressed-air system configurations (Konf1, Konf2) in which two of the compressors from the compressor list (V1, V2, …, Vn) are connected in parallel. The computer calculates at least one quality value for at least one of the compressed-air system configurations (Konf1, Konf2) based on the compressed-air system configuration (Konf1, Konf2) and at least one technical parameter (Kt) of the compressors of the compressed-air system configuration (Konf1, Konf2), wherein the at least one quality value specifies the quality of the compressed-air system configuration (Konf1, Konf2) in relation to a quality criterion that is preferably predefined by a user. The computer provides at least one compressed-air system configuration (Konf1, Konf2) having in each case at least one associated quality value.

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