

Title (en)
COMPRESSOR AND METHOD FOR THE ANGULAR SPEED CONTROL

Title (de)
KOMPRESSOR UND VERFAHREN ZU DESSEN DREHZAHLSSTEUERUNG

Title (fr)
COMPRESSEUR ET PROCÉDÉ DE COMMANDE DE LA VITESSE ANGULAIRE

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Priority

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Abstract (en)
[origin: WO2017009307A1] The invention first relates to a method for controlling the rotational speed of a compressor, wherein the method is used in particular to control the rotational speed of a rotating compression element of the compressor. The invention further relates to a compressor, for example a compressor for generating compressed air. During operation, the compressor is to be operated at a rotational speed which has an average value that is at least as large as a minimum average value in order to ensure the function of the compressor. According to the method, a compressor target rotational speed which can change over time is determined, said target rotational speed being necessary for an output which is to be achieved by the compressor and which can be change over time. A time average of the target rotational speed which can change over time is determined. According to the invention, a lower rotational speed threshold is raised if the time average of the target rotational speed which can change over time is lower than the minimum average value of the rotational speed of the compressor.

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