

Title (en)

DEVICE FOR COMPRESSING COMBUSTION AIR

Title (de)

VORRICHTUNG ZUR VERDICHTUNG VON VERBRENNUNGSLUFT

Title (fr)

DISPOSITIF POUR COMPRIMER DE L'AIR DE COMBUSTION

Publication

**EP 1664502 A1 20060607 (DE)**

Application

**EP 04738816 A 20040630**

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Abstract (en)

[origin: WO2005026512A1] The invention relates to a device for compressing combustion air, particularly a device for compressing charge air for an internal combustion engine for a motor vehicle, comprising at least one electrically operated charge air compressor (12, 14) which is provided with at least one compressor wheel (24) which is arranged in a compressor chamber (22) and which is driven by an electric motor (18), also comprising a second charge air compressor (32,34), particularly an exhaust gas turbo charger (34), which is serially mounted in relation to the electric charge air compressor (32,34), which are fluidically connected to each other by means of connecting means (30). According to the invention, connecting means (52) are used to guide already compressed air into the combustor chamber (22) of the electric charge air compressor (14).

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