Title (en)

PRESSURIZED-MEDIUM SUPPLY DEVICE, WHEEL UNIT HAVING A PRESSURIZED-MEDIUM SUPPLY DEVICE, AND DISTRIBUTED SYSTEM FOR SUPPLYING PRESSURIZED MEDIUM

Title (de)

DRUCKMITTELVERSORGUNGSEINRICHTUNG, RADEINHEIT MIT EINER DRUCKMITTELVERSORGUNGSEINRICHTUNG SOWIE VERTEILTES SYSTEM ZUR DRUCKMITTELVERSORGUNG

Title (fr)

SYSTÈME D'ALIMENTATION DE FLUIDE SOUS PRESSION, ENSEMBLE ROUE ÉQUIPÉ D'UN SYSTÈME D'ALIMENTATION DE FLUIDE SOUS PRESSION, AINSI QUE SYSTÈME RÉPARTI POUR L'ALIMENTATION DE FLUIDE SOUS PRESSION

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Application

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Abstract (en)

[origin: WO2015136006A2] The invention relates to a distributed system (54) for supplying pressurized medium, in particular for supplying compressed air in the case of a vehicle (10), a wheel unit (14) for a vehicle (10), and a decentralized integrated pressurized-medium supply device (70) for a wheel unit (14) having a rotatably supported vehicle tire (16). The pressurized-medium supply device (70) has a decentralized compressor unit (74), in particular an electric-motor-drivable compressor unit (74), a pressurized-medium path (98), which extends between the decentralized compressor unit (74) and a rim body (92) of the vehicle tire (16), which rim body is associated with a wheel-body side (80) of the wheel unit (14), wherein the decentralized compressor unit (74) has an energy supply connection, which can be supplied via an energy supply path (106), which can be coupled to an energy-providing unit (104), wherein the pressurized-medium supply device (70) is associated with a carrier side (82) and the wheel-body side (80) of the wheel unit (14) at least in some sections, and wherein at least the pressurized-medium path (98) or the energy supply path (106) comprises a rotationally fixed transition (116, 158), in particular a rotary feed-through, between the carrier side (82) and the wheel-body side (80).

IPC 8 full level

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