

Title (en)
TRACTION DRIVE

Title (de)
TRAKTIONSANTRIEB

Title (fr)
ENTRAÎNEMENT DE TRACTION

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Abstract (en)
[origin: WO03050940A1] The invention relates to a traction drive comprising a traction power converter (4) and a permanent-field synchronous motor (6), said traction power converter (4) comprising at least one pulsed power converter (22) on the machine side. According to the invention, the permanent-field synchronous motor (6) is respectively connected to an input of a commutator (30) on the terminal side, the outputs of said commutator being respectively connected to an output of the pulsed power converter (22) and to a connection of the star-connected braking resistances (28). In this way, a fail-safe electrical brake which is independent from the power inverter can be obtained for a set of traction wheels of a rail vehicle, such that a mechanical brake is not required.

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