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TECHNICAL MEASURES TO REDUCE CARBON DIOXIDE EMISSIONS ON THE ROAD TRAFFIC

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Abstract

The road traffic, including the passenger car traffic, emits only one part of the thropogenic carbon dioxide emissions. The automobile industry will continue their efforts to decrease the fuel consumption, resp. the carbon dioxide emissions. Short-dated, until 2012, the carbon dioxide emission of the automobile road traffic in the EU will be reduced by a package of intergarted measures and the engagement of all involved parties to approximately 15%, referring to year 2008. In doing so, about 5% account for technical improvements in the vehicle, roughly 3% on the increasing introduction of new technologies, approximately 4% on the the improvement of the traffic management and about 2% on the education of the vehicle driver. In a mediumterm and a long-term period, the carbon dioxide problem will be alleviated by the use of bio mass functioning as a carbon dioxide sinks and as a raw matreial for bio fuels.

Key words: CO₂, road traffic, technical improvements, fuels, alternatives