

CONTRIBUTION TO THE CONSIDERATION OF SIGNIFICANCE OF HYBRID BUSES IMPLEMENTATION IN CITY TRAFFIC COMPANIES

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ABSTRACT: Paper presents analysis of implementation development of hybrid buses as well as interpretation of different experiences which users of hybrid vehicles have in their exploitation. Particular accent of interpretation was placed on the reducing of fuel consumption, which also indicates reducing of exhaust emissions gases, which can be achieved with implementation of hybrid buses in city traffic companies. Regarding to problem of autonomy which is still present in complete electric vehicles, it can be said that hybrid drive is more acceptable. This paper is involved in answer to the question: Does implementation of hybrid buses in city traffic companies is justified?

KEY WORDS: hybrid drive, bus, city traffic, fuel consumption

DOPRINOS SAGLEDAVANJU ZNAČAJA PRIMENE AUTOBUSA SA HIBRIDNIM POGONOM U GRADSKIM SAOBRAĆAJNIM PREDUZEĆIMA

REZIME: Rad predstavlja analizu stanja razvoja primene gradskih autobusa sa hibridnim pogonom kao i tumačenje različitih iskustava koje su korisnici hibridnih autobusa imali u njihovoj eksploataciji. Poseban akcenat tumačenja stavljen je na smanjenje potrošnje goriva, što indicira i smanjenje emisije štetnih izduvnih gasova koja se postiže primenom hibridnog pogona. S obzirom na problem autonomnosti koji je još uvek prisutan kod čisto električnog pogona može se reći da se za sada još uvek daje prednost hibridnom pogonu. Rad učestvuje u odgovoru na pitanje: Da li je opravdano uvesti u primenu što veći broj autobusa sa hibridnim pogonom u gradska saobraćajna preduzeća?

KLJUČNE REČI: hibridni pogon, autobus, gradski saobraćaj, potrošnja goriva

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