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VODIKOVO GORIVO KAO EKOLOŠKI DOPRINOS FUNKCIONIRANJU POSTOJEĆIH TERMoeLEKTRANA NA UGLJEN

Sažetak

U radu je razmotrena primjena novog goriva na bazi vodika kao ekološki doprinos funkcioniranju postojećih termoelektrana na ugljen. Činjenica da se takve elektrane tretiraju kao najveći zagađivači okoliša u svijetu, inicirala je ideju da se novo gorivo na bazi vodika - HIDROGEN EKOTERM – upotrijebi kao gorivo u kotlovima termoelektrana zamjenjujući 10 – 30 posto lignita. Pozitivan utjecaj primjene ovog goriva daleko nadmašuje zamijenjenu količinu lignita.

Cilj ovog rada je potaknuti potencijalne investitore u stvaranju uvjeta za industrijsku primjenu novog goriva, ali i za investiranje u njegovu industrijsku proizvodnju.

Abstract

The analysis is carried out of the application of a new hydrogen based alternative fuel as ecological contribution of the coal thermal power plants operation. Given the fact that coal thermal power plants are seen as the largest producers, not only of CO₂, but of all others harmful gases, the idea is initiated to use the new alternative fuel as an additive to the coal which would result in much better performance of the coal power plants from an ecological point of view. It is possible to use such a fuel in relation of 10-30% of former coal use. The positive influence of such an application is much bigger than relative used quantity.

This lecture has a goal to incite potential investors to create conditions for industrial testing of the new fuel. It will be very interesting to animate investors for large-scale production of the new fuel, too.