## 1. Introduction

Dio in (DXN.) di cha ged f om a io \_\_\_\_e, of ind \_\_ial f nace\_\_ ch a\_\_a e incine a o \_\_and elecic f nace\_ ha e become a \_ocial oblem in ecen ea \_, and co n e mea\_\_e. ha e been demanded. Among me hod\_ of ed cing DXN\_ in a\_ e incine a o e ha \_\_ga , he mo\_\_\_idel \_\_ed a e en i\_\_ o de ed ac i a ed ca bon injec ion, b\_\_\_ac i a ed ca bon ad o \_\_\_\_ion de ice\_ a e being ado ed o mee\_\_\_ ic e emi\_\_ion \_\_ anda d\_. Ho e e , he con en ional ac i a ed ca bon ad o ion de ice i\_\_ la ge in \_\_cale, and beca \_e he de ice con ain\_ a la ge\_\_\_an i\_\_\_of comb\_\_\_ible ac i a ed ca bon, igni ion\_\_\_e en ion mea\_\_\_e\_ a e nece\_\_a . Fo he e ea\_on\_, a\_\_\_lica ion ha\_ been limi ed o onl\_\_\_ome a\_\_e incine a o \_\_\_\_

Aiming a f he o la i a ion of ac i a ed ca bon