

ABSTRACT

A static electricity removal device that removes static electricity by supplying positive and negative ions to a target of static electricity removal, comprising a surface potential measuring probe that measures a surface potential of the target of static electricity removal, wherein a potential detector (11a) that constitutes a surface potential measuring probe (11) and a conductive cap (13) placed so as to surround the potential detector (11a) in a non-contact state are provided and a potential generated in the cap (13) by charges of a target of static electricity removal (30) or ions supplied from a static electricity removal device (20) is detected by the potential detector (11a) and sent out to a control circuit (24) within the static electricity removal device (20) as a feedback signal. According to the present invention, a remarkably simple configuration makes it possible to detect an ion balance and a charged potential of the target of static electricity removal, thereby contributing to improvement in static electricity removal performance of an ionizer.



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