

ABSTRACT

An electrode is provided that has a surface portion that allows a reagent layer having the designed dimensions to be formed very accurately over a specific area. The electrode

5 (10) comprises a surface portion (11); a first region (110) that is formed on the surface portion (11), includes a first outer peripheral edge portion (111), and has a first surface free energy; a second region (120) that is formed on the surface portion (11), surrounds the first region (110), includes a second inner peripheral edge portion (121) in contact with the first outer peripheral edge portion (111) of the first region (110), and a second outer peripheral

10 edge portion (122) that is positioned more to the outside than the second inner peripheral edge portion (121), and has a second surface free energy that is greater than the first surface free energy; and a third region (130) that surrounds the second region (120), includes a third inner peripheral edge portion (131) in contact with the second outer peripheral edge portion (122) of the second region (120), and has a third surface free energy that is less than the

15 second surface free energy.