

kinetic current

Also contains definitions of: surface reaction *in electrochemistry*, volume reaction *in electrochemistry*

A faradaic current that corresponds to the reduction or oxidation of an electroactive substance formed by a prior chemical reaction from another substance that is not electroactive, and that is partially or entirely controlled by the rate of that reaction. The reaction may be heterogeneous, occurring at an electrode-solution interface (surface reaction), or it may be homogeneous, occurring at some distance from the interface (volume reaction).

Source:

Orange Book, p. 55