

Abstract of the disclosure**Process for continuously producing laminates**

A process for producing laminates which contain at least one centrally arranged, ion-conductive membrane which is, at least over a substantial part of its two mutually opposite flat faces, electrically conductively bonded to at least one catalytically active substance and to at least one two-dimensional, gas-permeable, electron-conductive contacting material, the bonding of at least two of the said components having been effected by lamination. The process comprises carrying out the bonding of the ion-conductive membrane, of the catalytically active substance and of the electron-conductive contacting material continuously. The ion-conductive membrane is brought together with at least the electron-conductive contacting material in the exact position by means of transport and feeding devices and the two components are laminated and bonded to one another by pressing them together. The range of variation in the a.c. resistances of the laminates produced by the process according to the invention is $\pm 10\%$. The laminates are particularly suitable for use in fuel cells or electrolyzers.