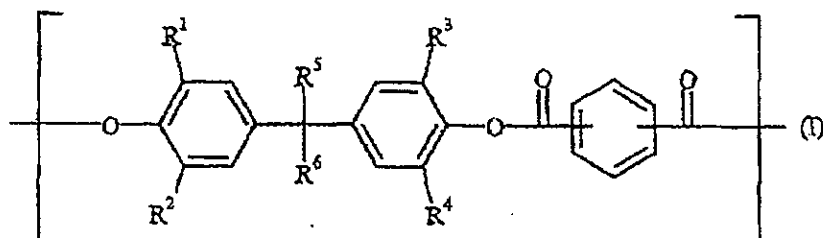


DIAPHRAGMS MADE OF CAST POLYARYLATE FILMS



Abstract

Thermoformed diaphragms made of cast polyarylate films are described, at least comprising one polyarylate (PAR) having a structural unit of the formula (I) where each of R^1 , R^2 , R^3 , and R^4 , independently of the others, is hydrogen, C_{1-4} -alkyl, C_{1-4} -alkoxy, or halogen, and each of R_5 and R_6 , independently of the other, is hydrogen, C_{1-4} -alkyl, C_{1-4} -alkoxy, phenyl, or halogen. The use of thermoformed diaphragms made of cast PAR films as acoustic transducers, preferably as microphone diaphragms or loudspeaker diaphragms, is also described. Cast PAR films for producing these diaphragms are described, as are PAR casting solutions for producing the cast PAR films. Processes for producing thermoformed diaphragms made of cast PAR films are also described, as is the production of cast PAR films.