Examples of the recurring unit having formula (D-2) are  $_{15}$  shown below, but not limited thereto. Herein  ${\bf R}^A$  is as defined above.

Examples of the recurring unit having formula (D-3) are shown below, but not limited thereto. Herein  $\mathbb{R}^A$  is as defined above.

H 
$$R^4$$
 H  $R^4$  H  $R^$ 

$$HO$$
 $H$ 
 $HO$ 
 $H$ 
 $F_3C$ 
 $CF_3$ 
 $CF_3$ 
 $CF_3$ 
 $CF_3$