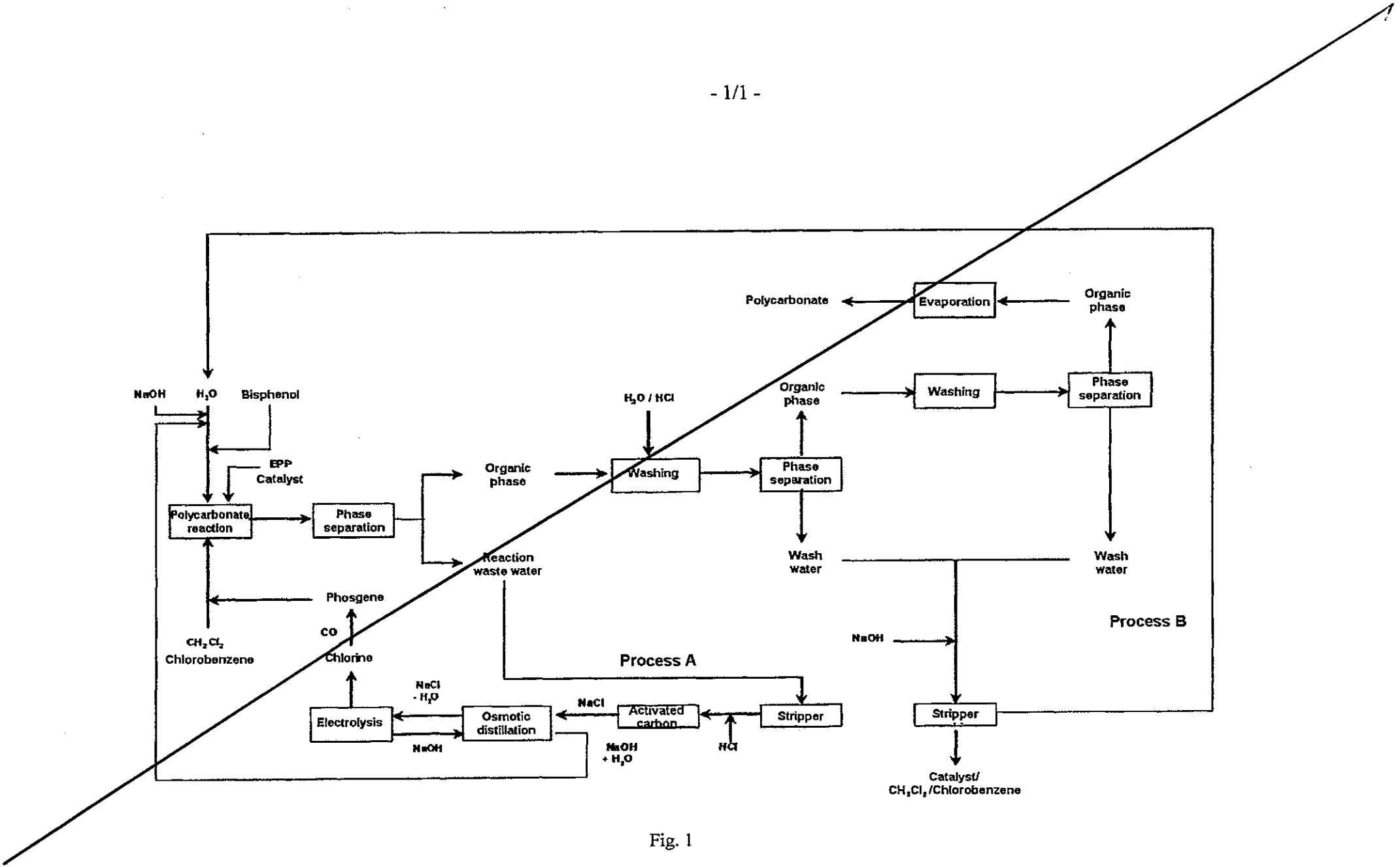
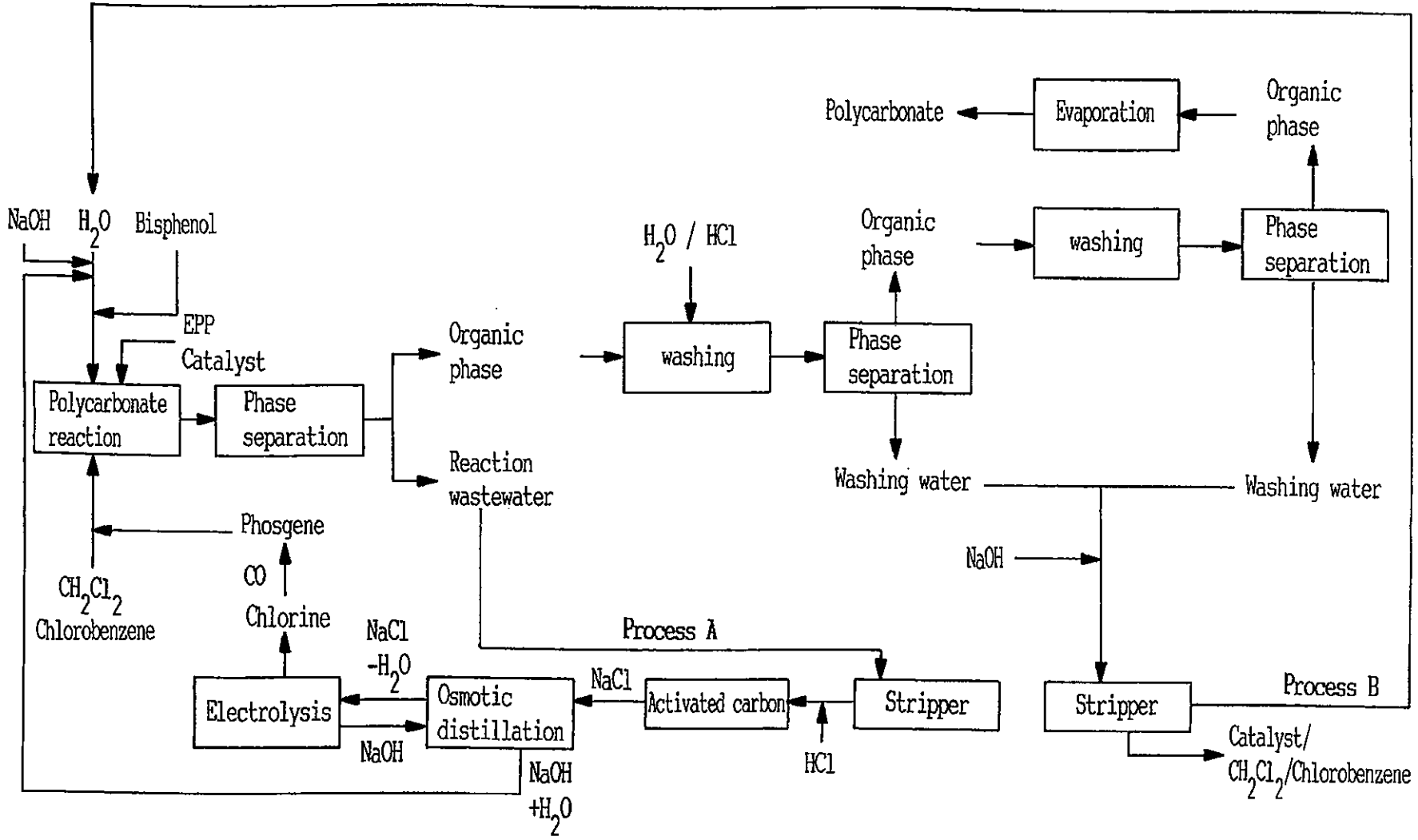

NaOH
$H_2O$
Bisphenol
EPP
Catalyst
Polycarbonate reaction
Phase separation
Organic phase
Reaction waste water
Phosgene
CO
Chlorine
$CH_2Cl_2$
Chlorobenzene
Process A
Electrolysis
NaCl
- $H_2O$
NaOH
Osmotic distillation
NaCl
Activated carbon
Stripper
HCl
NaOH
+ $H_2O$
$H_2O$ / HCl
Washing
Phase separation
Organic phase
Wash water
Polycarbonate
Evaporation
Organic phase
Washing
Phase separation
Wash water
Process B
NaOH
Stripper
Catalyst/
$CH_2Cl_2$/Chlorobenzene

Fig. 1

**Fig.1**


NaOH
$H_2O$
Bisphenol
EPP
Catalyst
Polycarbonate reaction
Phase separation
Organic phase
Reaction wastewater
Phosgene
CO
Chlorine
$CH_2Cl_2$
Chlorobenzene
Electrolysis
NaCl
$-H_2O$
NaOH
Osmotic distillation
NaCl
Activated carbon
HCl
Stripper
Process A
$H_2O$ / HCl
washing
Phase separation
Organic phase
Washing water
NaOH
Stripper
Process B
Catalyst/
$CH_2Cl_2$/Chlorobenzene
Evaporation
Polycarbonate
Organic phase
washing
Phase separation
Washing water
NaOH
$+H_2O$