Frame:
$$\begin{bmatrix} \text{CAUSE} & \begin{bmatrix} \text{ACTOR} & \boxed{0} \end{bmatrix} \\ \text{EFFECT} & \begin{bmatrix} \text{ARG0} & \boxed{1} \\ role1 & \boxed{1} \\ \text{ARG1} & \boxed{2} \\ role2 & \boxed{2} \end{bmatrix} \end{bmatrix}$$

Condition: The verb has three arguments and exists with a certain (high) probability in a transitive version with the roles in the EFFECT frame

In our example,
$$\begin{bmatrix} rolling \\ \text{MOVER} & \boxed{1} \\ \text{THEME} & \boxed{1} \\ \text{DIRECTION} & \boxed{2} \end{bmatrix}$$
licences
$$\begin{bmatrix} \text{CAUSE} & \begin{bmatrix} \text{ACTOR} & \boxed{0} \end{bmatrix} \\ \text{EFFECT} & \begin{bmatrix} rolling \\ \text{MOVER} & \boxed{1} \\ \text{THEME} & \boxed{1} \\ \text{DIRECTION} & \boxed{2} \end{bmatrix} \end{bmatrix}$$

Figure 3: Pattern for alternation with a complex causation frame