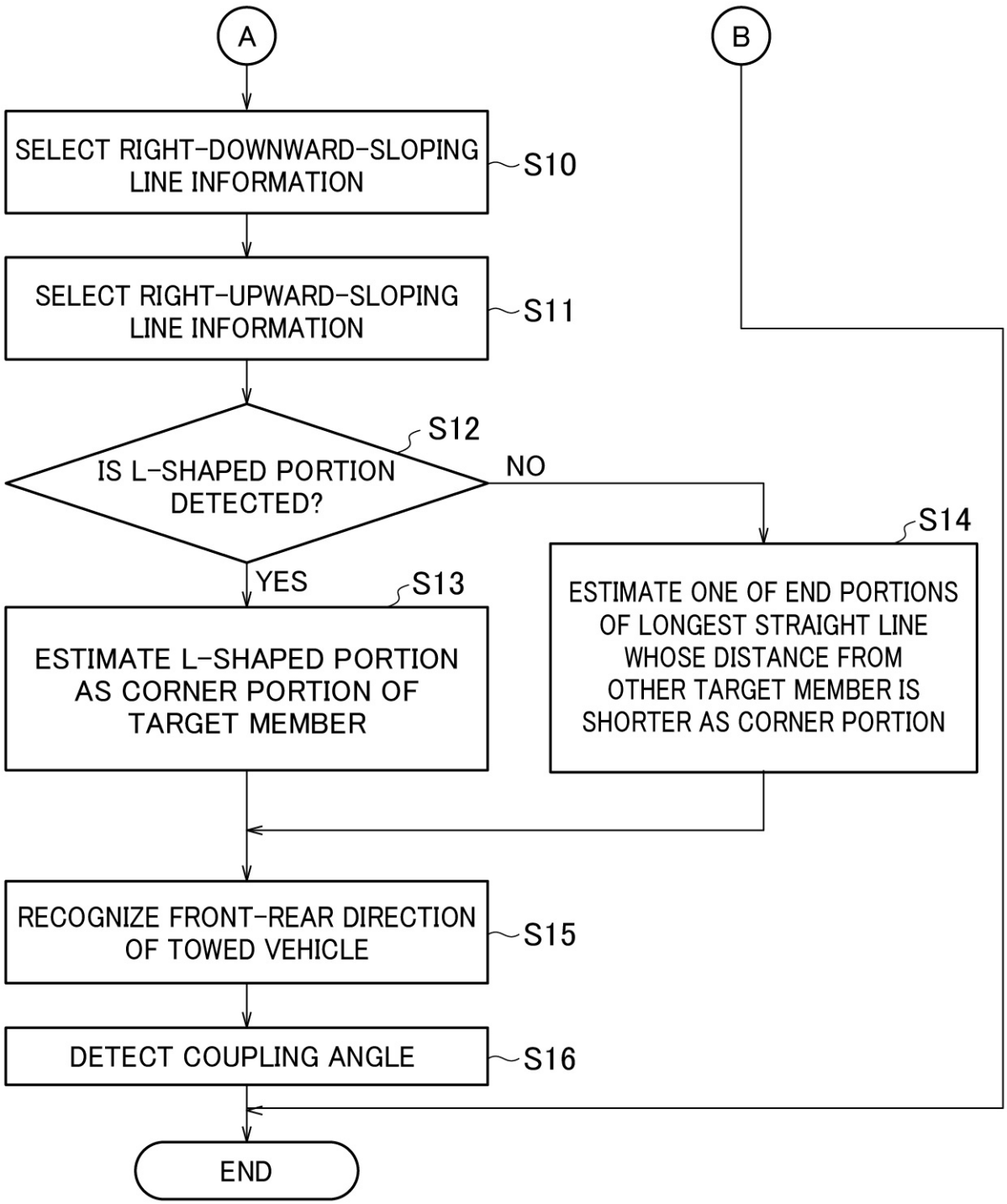
FIG. 4B


A
B
SELECT RIGHT-DOWNWARD-SLOPING LINE INFORMATION
S10
SELECT RIGHT-UPWARD-SLOPING LINE INFORMATION
S11
S12
IS L-SHAPED PORTION DETECTED?
NO
YES
S13
ESTIMATE L-SHAPED PORTION AS CORNER PORTION OF TARGET MEMBER
S14
ESTIMATE ONE OF END PORTIONS OF LONGEST STRAIGHT LINE WHOSE DISTANCE FROM OTHER TARGET MEMBER IS SHORTER AS CORNER PORTION
RECOGNIZE FRONT-REAR DIRECTION OF TOWED VEHICLE
S15
DETECT COUPLING ANGLE
S16
END