

Title (en)  
TRANSMISSION FOR SPEED CHANGING AND STEERING OF A VEHICLE

Title (de)  
GETRIEBE ZUR GESCHWINDIGKEITSVERÄNDERUNG UND STEUERUNG EINES FAHRZEUGS

Title (fr)  
TRANSMISSION POUR VARIATION DE VITESSE ET DIRECTION D'UN VEHICULE

Publication  
**EP 1129310 A4 20070502 (EN)**

Application  
**EP 98949534 A 19980925**

Priority  
US 9820166 W 19980925

Abstract (en)  
[origin: WO0019127A1] A transmission for speed changing and steering of a vehicle includes a first hydrostatic pump (52) and motor (53), a first differential (24') for speed changing, a second hydrostatic pump (71) and motor (72), and a second differential (23') for steering. A prime mover drives the first pump (52), and the second pump (71) is driven by the output from the first motor (53). The second motor (72) drives the second differential (23') for steering the vehicle.

IPC 1-7  
**F16H 47/04**; **B62D 11/18**

IPC 8 full level  
**B60K 17/10** (2006.01); **B60K 17/30** (2006.01); **B62D 11/18** (2006.01); **F16H 47/04** (2006.01); **F16H 48/08** (2006.01); **F16H 48/10** (2006.01); **F16H 61/42** (2010.01)

CPC (source: EP)  
**B62D 11/18** (2013.01); **B62D 11/183** (2013.01); **F16H 47/04** (2013.01); **F16H 2047/045** (2013.01)

Citation (search report)

- [XA] WO 9812098 A1 19980326 - YANMAR AGRICULT EQUIP [JP], et al & EP 0927679 A1 19990707 - YANMAR AGRICULT EQUIP [JP]
- [A] US 4164156 A 19790814 - REED BRADLEY O [US]
- [A] US 3596535 A 19710803 - POLAK JAMES C
- [X] US 3545303 A 19701208 - WHELAHAN JOHN F
- [X] US 3575066 A 19710413 - LIVEZEY WILLIAM G, et al
- See references of WO 0019127A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**WO 0019127 A1 20000406**; EP 1129310 A1 20010905; EP 1129310 A4 20070502; JP 2002525537 A 20020813; JP 4327362 B2 20090909

DOCDB simple family (application)  
**US 9820166 W 19980925**; EP 98949534 A 19980925; JP 2000572597 A 19980925