

Title (en)  
A STEERING WHEEL ASSEMBLY

Title (de)  
LENKRADANORDNUNG

Title (fr)  
VOLANT DE DIRECTION

Publication  
**EP 0814978 A1 19980107 (EN)**

Application  
**EP 97900846 A 19970115**

Priority  
• GB 9600780 A 19960115  
• SE 9700047 W 19970115

Abstract (en)  
[origin: GB2309123A] A steering wheel assembly comprises a main body part defining an outer ring and a component 6, eg an air bag module, movable relative to the main body against the bias of at least three resilient elements each forming an electric switch 18 for operating a horn of a motor vehicle. Each switch may form part of a laminated element (21, Fig 4) which has an insulating substrate (23) secured to a housing 7 and which carries a conductive metal foil (24). A further insulating layer (25) spaces this foil from a further foil (26) carried by an insulating layer (27). When the movable component 6 is actuated, the resisting force of the resilient elements 18 rises to a maximum during initial movement, and then reduces to a minimum and subsequently climbs again towards a fresh maximum with continued movement.

IPC 1-7  
**B60R 21/16**; **B60Q 5/00**

IPC 8 full level  
**B60Q 5/00** (2006.01); **B60R 21/20** (2006.01); **B60R 21/203** (2006.01); **H01H 13/48** (2006.01)

CPC (source: EP)  
**B60Q 5/003** (2013.01); **B60R 21/2037** (2013.01); **H01H 13/48** (2013.01)

Citation (search report)  
See references of WO 9726156A1

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**GB 2309123 A 19970716**; **GB 9600780 D0 19960320**; EP 0814978 A1 19980107; WO 9726156 A1 19970724

DOCDB simple family (application)  
**GB 9600780 A 19960115**; EP 97900846 A 19970115; SE 9700047 W 19970115