

Title (en)  
ROTARY SIGNAL COUPLER.

Title (de)  
DREHBARE SIGNALKUPPLUNG.

Title (fr)  
COUPLE ROTATIF DE SIGNAUX.

Publication  
**EP 0277169 A1 19880810 (EN)**

Application  
**EP 87904924 A 19870803**

Priority  
GB 8619316 A 19860807

Abstract (en)  
[origin: WO8801096A1] Signals are coupled between a shaft (20) and a housing (22) which rotate relative to each other by means of a primary coil (24) inductively coupled with a secondary coil (26). The primary coil (24) has a relatively large extent (A) and the secondary coil has a much smaller extent (B) and is positioned at the centre of the primary (24). Suitably  $A/B \geq 6$ .

Abstract (fr)  
Des signaux sont couplés entre un arbre (20) et un logement (22) qui tournent l'un par rapport à l'autre, au moyen d'une bobine primaire (24) couplée par induction avec une bobine secondaire (26). La bobine primaire (24) occupe une surface relativement grande (A) tandis que la bobine secondaire occupe une surface bien plus petite (B) et est positionnée au centre de la bobine primaire (24). Idéalement  $A/B \geq 6$ .

IPC 1-7  
**H01F 23/00**

IPC 8 full level  
**E21B 47/12** (2012.01); **H01F 38/14** (2006.01)

CPC (source: EP)  
**E21B 47/13** (2020.05); **H01F 38/18** (2013.01)

Citation (search report)  
See references of WO 8801096A1

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**WO 8801096 A1 19880211**; EP 0277169 A1 19880810; GB 8619316 D0 19860917

DOCDB simple family (application)  
**GB 8700554 W 19870803**; EP 87904924 A 19870803; GB 8619316 A 19860807