

Title (en)  
Electromagnetic connector

Title (de)  
Elektromagnetischer Verbinder

Title (fr)  
Connecteur électromagnétique

Publication  
**EP 2892061 A2 20150708 (EN)**

Application  
**EP 14180106 A 20140806**

Priority  
US 201313959888 A 20130806

Abstract (en)  
An electromagnetic connector is disclosed that is configured to form a first magnetic circuit portion comprising multiple coils disposed about a first core member. The electromagnetic connector is configured to mate with a second electromagnetic connector that is configured to form a second magnetic circuit portion comprising a coil disposed about a second core member. When the electromagnetic connector is mated with the second electromagnetic connector, the first core member and the second core member are configured to couple the multiple coils of the electromagnetic connector to the coil of the second electromagnetic connector with a magnetic circuit formed from the first magnetic circuit portion and the second magnetic circuit portion. The magnetic circuit is configured to induce a signal in a first coil of the multiple coils and the coil of the second electromagnetic connector when a second coil of the multiple coils is energized.

IPC 8 full level  
**H01F 38/14** (2006.01)

CPC (source: EP)  
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Designated extension state (EPC)  
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