

Title (en)  
NETWORK ON A CHIP SOCKET PROTOCOL

Title (de)  
PROTOKOLL FÜR EINE STECKDOSE MIT EINEM NETZWERK AUF EINEM CHIP

Title (fr)  
PROTOCOLE DE SOCKET DE RÉSEAU SUR PUCE

Publication  
**EP 2901294 A4 20160810 (EN)**

Application  
**EP 13842232 A 20130924**

Priority  
• US 201213626758 A 20120925  
• US 201213626766 A 20120925  
• US 2013061295 W 20130924

Abstract (en)  
[origin: WO2014052261A1] The invention is a transaction interface protocol wherein the interface protocol has a transaction identifier signal in each of the request and response channels. It is used between a target network interface unit (NIU) master and an initiator NIU slave that are directly connected through a transaction interface. The target NIU response channel uses the transaction ID signal to identify the entry in a context array associated with the corresponding request. The coupling of target NIU and initiator NIU enable the formation of an on-chip interconnect comprising multiple network-on-chip (NoCs) wherein the topology of the interconnect is simpler, smaller, faster, and has lower latency.

IPC 8 full level  
**G06F 13/00** (2006.01); **G06F 13/42** (2006.01); **G06F 15/78** (2006.01)

CPC (source: CN EP)  
**G06F 15/1735** (2013.01 - EP); **G06F 15/7825** (2013.01 - EP); **H04L 12/403** (2013.01 - CN EP)

Citation (search report)  
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• See references of WO 2014052261A1

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