

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
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Application
EP 13842232 A 20130924

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• 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
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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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WO 2014052261 A1 20140403; CN 104685480 A 20150603; CN 104685480 B 20170714; EP 2901294 A1 20150805; EP 2901294 A4 20160810; EP 4123468 A1 20230125; IN 441MUN2015 A 20150911; JP 2015535991 A 20151217; JP 6144348 B2 20170607; KR 101690568 B1 20161228; KR 20150063433 A 20150609

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