

Title (en)  
Connector assembly

Title (de)  
Verbinderanordnung

Title (fr)  
Dispositif de connecteur

Publication  
**EP 1603203 A1 20051207 (EN)**

Application  
**EP 04300312 A 20040603**

Priority  
EP 04300312 A 20040603

Abstract (en)  
A connector assembly comprises an audio plug and a power plug, respectively, and a jack. The jack is provided with a first and a second set of contacts. The first set of contacts is arranged to mate with the power plug. The second set of contacts is arranged to mate with the audio plug to connect sound reproducing means. The sound reproducing means is appropriate for reproducing stereo acoustic signals. The power plug is appropriate to connect the jack with a voltage supply. The jack is provided with a control means wherein the control means is effective to enable the first set of contacts and to disable the second set of contacts when the power plug is inserted into the jack. The control means is also effective to disable the first set of contacts and to enable the second set of contacts when the audio plug is inserted into the jack. <IMAGE>

IPC 1-7  
**H01R 24/04**

IPC 8 full level  
**H01R 24/02** (2006.01); **H01R 24/58** (2011.01)

CPC (source: EP)  
**H01R 24/58** (2013.01); **H01R 2105/00** (2013.01)

Citation (search report)  
• [X] US 6109797 A 20000829 - NAGURA KAZUHITO [JP], et al  
• [A] US 2004029449 A1 20040212 - LIU RICHARD [TW]  
• [A] GB 1373215 A 19741106 - OLYMPUS OPTICAL CO

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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**EP 04300312 A 20040603**; CN 200510074793 A 20050603; DE 602004008587 T 20040603