

Title (en)
Punch tool

Title (de)
Stanzwerkzeug

Title (fr)
Outil de poinçonnage

Publication
EP 2664424 A1 20131120 (EN)

Application
EP 12167876 A 20120514

Priority
EP 12167876 A 20120514

Abstract (en)
A punch tool (1) for punching a plug in smart card from a substrate where the punch tool has an edge (20) to delineate at least part of a periphery of the plug in card and there is also cutting edge (24) for cutting the areas not punched by the tool. The cutting edge passes partway through the depth of the substrate when the periphery is punched out by the edge (20) so connections between the plug in card and the main body are formed in a single action using a single tool.

IPC 8 full level
B26D 3/08 (2006.01); **B26F 1/44** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP)
B26D 3/08 (2013.01); **B26F 1/44** (2013.01); **B26F 2001/4418** (2013.01)

Citation (applicant)
• US 2003159560 A1 20030828 - DRESCHER GEORG [DE]
• WO 9631427 A2 19961010 - GIESECKE & DEVRIENT GMBH [DE], et al

Citation (search report)
• [XAI] EP 1798671 A2 20070620 - GIESECKE & DEVRIENT GMBH [DE]
• [AD] WO 9631427 A2 19961010 - GIESECKE & DEVRIENT GMBH [DE], et al
• [AD] US 2003159560 A1 20030828 - DRESCHER GEORG [DE]

Cited by
CN109531699A; CN110696094A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2664424 A1 20131120; EP 2664424 B1 20160106

DOCDB simple family (application)
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