

Title (en)

TOP LOADING SOCKET FOR BALL GRID ARRAYS

Title (de)

OBENLADENDER SOCKEL FÜR KUGELMATRIXGEHÄUSE

Title (fr)

PRISE A CHARGEMENT PAR LE HAUT POUR ENSEMBLE DE GRILLES A BILLES

Publication

**EP 0843892 A4 19980916 (EN)**

Application

**EP 96923548 A 19960703**

Priority

- US 9611102 W 19960703
- US 101495 P 19950710
- US 51076395 A 19950803
- US 65751796 A 19960603

Abstract (en)

[origin: WO9703467A1] A socket for a ball grid array integrated circuit package (BGA) with an array of electrical contacts (12) that extend through holes in a slidable plate. The arrangement of spacing holes (14) and the electrical contacts therein provide entry openings that allow the ball contacts (16) of a BGA package to enter the openings. The contacts are cupped or angled to mate with the side and top of the ball contacts of the ball grid array package. The plate (3) is spring loaded driving the plate parallel to the plane of the ball contacts in a manner that reduces the entry hole opening. The angled or cupped ends (24) of the socket contacts mate with the ball contacts above the equator of the ball.

IPC 1-7

**H01L 23/34**; **H01L 23/48**

IPC 8 full level

**H01R 33/76** (2006.01); **G01R 1/04** (2006.01); **H01L 23/32** (2006.01)

CPC (source: EP)

**G01R 1/0483** (2013.01); **H01L 2924/0002** (2013.01)

C-Set (source: EP)

**H01L 2924/0002** + **H01L 2924/00**

Citation (search report)

- [XAY] EP 0613335 A1 19940831 - TEXAS INSTRUMENTS INC [US]
- [YA] US 5419710 A 19950530 - PFAFF WAYNE K [US]
- See references of WO 9703467A1

Designated contracting state (EPC)

DE ES FR GB IE IT PT

DOCDB simple family (publication)

**WO 9703467 A1 19970130**; CA 2226856 A1 19970130; CN 1192825 A 19980909; EP 0843892 A1 19980527; EP 0843892 A4 19980916; JP H11509034 A 19990803

DOCDB simple family (application)

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