

Title (en)  
SHOWERHEAD

Publication  
**EP 0080856 B1 19880309 (EN)**

Application  
**EP 82306247 A 19821124**

Priority  
GB 8135849 A 19811127

Abstract (en)  
[origin: EP0080856A2] The invention is concerned with releasably assembling component parts of a device such as the spray unit (20) of a shower head (10). A first component part (40) is formed with a cylindrical member (44) having three equispaced and radially extending lugs (45) and is adapted to engage within an annular portion (34) of a second component part (30). The annular portion (34) of component (30) includes three equispaced cam surfaces (36) formed in the inner walls thereof for co-operation with the said lugs (45), the cam surfaces having recesses (37) adapted to receive the lugs (45) of the first component (40), whereby insertion of the cylindrical portion (44) of the first component (40) into the annular portion (30) of the second component (30) and rotation thereof causes the lugs (45) to co-operate with the cam surfaces (36) and snap into the recesses (37) thereby locking the components together. At least one of the component parts should be formed from a resilient plastics material.

IPC 1-7  
**F16B 21/04; B05B 1/18**

IPC 8 full level  
**B05B 1/18** (2006.01)

CPC (source: EP)  
**B05B 1/18** (2013.01)

Citation (examination)  
Handbook of Fastening and Joining of Metal Parts, pp. 448 and 489

Cited by  
GB2330784A; EP0155775A1; US8936207B2

Designated contracting state (EPC)  
BE DE FR IT NL SE

DOCDB simple family (publication)  
**EP 0080856 A2 19830608; EP 0080856 A3 19840704; EP 0080856 B1 19880309**; DE 3278218 D1 19880414; GB 2110289 A 19830615; GB 2110289 B 19850424

DOCDB simple family (application)  
**EP 82306247 A 19821124**; DE 3278218 T 19821124; GB 8135849 A 19811127