

Title (en)  
HOOKING DEVICE WITH UNDERCUT COUPLING

Title (de)  
HÄNGEVORRICHTUNG MIT UNTERSCHNITTENER KUPPLUNG

Title (fr)  
DISPOSITIF DE CROCHET AVEC ACCOUPLEMENT CREUX

Publication  
**EP 3626672 A1 20200325 (EN)**

Application  
**EP 19196351 A 20190910**

Priority  
IT 201800008759 A 20180920

Abstract (en)  
The invention relates to a hooking device with undercut coupling. The device in question comprises a cylindrical body for undercut coupling (10,20,30,40), which is coupled to a body to be hooked, the upper part of which is connected to a connection system (4) that allows the connection of the device to another system such as for example a transport system; the cylindrical body comprises a coupling part (10a,20a,30a,40a) that has a surface provided with undercuts, is securely connected to the connection system (4), and has a lateral surface that extends over an angle with an amplitude less than 180°; the cylindrical body further comprises a centring part (10b,20b,30b,40b) that has a smooth lateral surface and has a diameter equal to the diameter of the cylindrical body without its undercuts; the two parts of the body (10,20,30,40) are mutually separable by means of a translation that brings them from a working position, in which the two parts are joined together to form the body (10,20,30,40), to a position for insertion into the body to be hooked, in which the centring part is always external to the body to be hooked.

IPC 8 full level  
**B66C 1/66** (2006.01)

CPC (source: EP)  
**B66C 1/66** (2013.01)

Citation (search report)  
• [XYI] GB 2139278 A 19841107 - CHARCON TUNNELS LTD  
• [YA] JP H05306091 A 19931119 - KUROSAKI REFRACTORIES CO  
• [YA] US 2017226702 A1 20170810 - CONNELL ROBERT URQUHART [US], et al

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