

Title (en)  
Improved anchorage sockets for the "novel technique for stay cable system"

Title (de)  
Verankerungsvorrichtung für Schrägseilssystem

Title (fr)  
Dispositif d'ancrage pour système de haubanage

Publication  
**EP 1435413 A1 20040707 (EN)**

Application  
**EP 02029058 A 20021230**

Priority  
EP 02029058 A 20021230

Abstract (en)  
Main features of the auxiliary anchorage socket are: 1) A pair of half-cylindrical auxiliary anchorage heads A1 are fixed together to the web G2/B2 of steel I-girder, tie beam, anchoring bed or anchoring box by transverse bolts A2 and supported by the auxiliary anchorage plates G5/B5. 2) Inside each A1 there is a half-coned hole, in which the half number of strands S of a cable are bonded together by epoxy resin and/or other grouting material A15. 3) When eventual individual strand replacement comes, the A1 can be removed, so that the A15 with half-coned form appears under visible and touchable condition. According to the requirement of individual strand replacement, a part of or all of the A15 is removed by high-pressure water jetting T7 or similar measures, which don't injure the strands during epoxy removed. The principle of a pair of half-cylindrical anchorage heads fixed together by transverse bolts can be extension to the main anchorage socket, which therefore becomes hidden inside the outline of girders, to fulfil the special aesthetic requirements while keeping the original main advantages of the novel stay cable system. <IMAGE>

IPC 1-7  
**E01D 19/14**

IPC 8 full level  
**E01D 19/14** (2006.01)

CPC (source: EP)  
**E01D 19/14** (2013.01)

Citation (applicant)  
EP 1001089 A1 20000517 - HOU YINCHENG [SE]

Citation (search report)  
[DA] EP 1001089 A1 20000517 - HOU YINCHENG [SE]

Cited by  
CN103437284A; CN105421230A; CN106049279A; CN109811643A; US2013186019A1; US8869476B2; CN108265614A; CN108842617A; CN114250715A; CN102704395A; CN106592427A; CN107587426A; CN113512932A; CN109056529A; CN109056531A

Designated contracting state (EPC)  
GB SE

DOCDB simple family (publication)  
**EP 1435413 A1 20040707**; CN 2712990 Y 20050727

DOCDB simple family (application)  
**EP 02029058 A 20021230**; CN 200320123734 U 20031127