

Title (en)
SCAFFOLDING SYSTEM HAVING HOLLOW SECTION TUBES

Title (de)
GERÜSTSYSTEM MIT HOHLPROFILSTÄBEN

Title (fr)
SYSTÈME D'ECHAFAUDAGE COMPRENANT DES BARRES PROFILÉES CREUSES

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Application
EP 02714025 A 20020219

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- DE 10112370 A 20010315

Abstract (en)

[origin: WO02066768A1] The invention relates to a hollow tube section (10) as a component of a scaffolding system, comprising an upper end region (20), in particular a tube connector, and a lower end region (22). Said hollow tube section (10) has a defined outer diameter and a wall thickness. The outer diameter of the upper end region (20) is reduced in relation to the outer diameter of the lower end region (22) in such a way that several hollow tube sections (10) can be interconnected by being pushed onto one another, that the upper end region (20) in the connected position is inserted into the lower end region (22) of a neighbouring hollow tube section until it reaches a stop (24) and that a permissible gap (S) is left between the outer wall of the upper end region (20) and the inner wall of the lower end region (22). The invention is characterised in that the hollow tube section (10) has a reduced wall thickness in comparison to known hollow tube sections of scaffolding systems, whilst maintaining the defined outer diameter, and at least part of the lower end region (22) of the hollow tube section (10) has at least one cross-sectional narrowing (30.1) in such a way that when the hollow tube sections (10) are pushed onto one another or interconnected, the permissible gap (S), or a smaller gap is obtained between the inner wall of the lower end region (22) in the vicinity of the cross-sectional narrowing (30.1) and the outer wall of the upper end region (20) of the interconnected hollow tube section (10).

[origin: WO02066768A1] The hollow profiled tube (10) has whilst retaining its outer defined diameter a reduced wall thickness compared to known tubes. The lower end area (22) of the tube has at least in some areas a cross-sectional reduction (30.1) so that the permissible gap or a smaller gap is obtained between the inner wall of the lower end area in the tapered region when the tubes are fitted, and the outer wall of the upper insert area (20) of the fitted tube. Independent claim describes scaffold frame where each vertical post is formed as a hollow profiled tube as above.

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DE 19630225 A1 19970130 - SGB HOLDINGS [NL]

Citation (opposition)

Opponent : PERI GmbH

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