

Title (en)
Scaffold plank.

Title (de)
Bohle für Baugerüste.

Title (fr)
Planche pour échafaudages.

Publication
EP 0347476 A1 19891227 (DE)

Application
EP 88109810 A 19880620

Priority
EP 88109810 A 19880620

Abstract (en)
To allow a plank for scaffolding in the form of an elongated hollow metal profile (1) to be subjected to high stresses, it is proposed that a closure profile (17) is pushed into each of the front ends (12, 13), and that the holes (6, 7, 8, 9), serving for fastening to the scaffolding, are formed by flow forming in such a way that the metal of the hollow metal profile (1) and of the closure profile (17) is fused together in the region of the to be formed holes (6, 7, 8, 9) by flow forming into cylindrical bushes (28, 29). <IMAGE>

Abstract (de)
Um eine Bohle für Baugerüste in Form eines längsgezogenen Metallhohlprofils (1) hohen Beanspruchungen aussetzen zu können, wird vorgeschlagen, daß in die Stirnenden (12, 13) je ein Verschlußprofil (17) eingeschoben wird, und daß die Löcher (6, 7, 8, 9), die zur Befestigung mit dem Baugerüst dienen, durch Fließformen derart gebildet werden, daß das Metall des Metallhohlprofils (1) und des Verschlußprofils (17) im Bereich der zu bildenden Löcher (6, 7, 8, 9) durch Fließformen zu zylindrischen Buchsen (28, 29) miteinander verschmolzen wird.

IPC 1-7
E04G 1/15

IPC 8 full level
B21C 37/29 (2006.01); **E04G 1/15** (2006.01)

CPC (source: EP)
B21C 37/298 (2013.01); **B21J 5/066** (2013.01); **E04G 1/152** (2013.01); **E04G 1/154** (2013.01); **E04G 2001/158** (2013.01)

Citation (search report)

- [A] DE 8617082 U1 19860814
- [A] NL 8101502 A 19821018 - DRABUS BV
- [A] FR 1189384 A 19591002 - HOUILLERES BASSIN DU NORD
- [A] US 4496029 A 19850129 - KURODA SHIGEHARU [JP]
- [A] DE 1962274 A1 19710715 - LAYHER EBERHARD

Cited by
CN115977360A; US6076991A; CN115176061A; US5555955A; CN107130807A; US6105723A; US5882136A; US7090053B2; AT1028U1; US7401556B2; WO2021046614A1; US7584824B2; US7188707B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0347476 A1 19891227; **EP 0347476 B1 19920902**; AT E80194 T1 19920915; DE 3874330 D1 19921008; ES 2035163 T3 19930416; GR 3005604 T3 19930607

DOCDB simple family (application)
EP 88109810 A 19880620; AT 88109810 T 19880620; DE 3874330 T 19880620; ES 88109810 T 19880620; GR 920401930 T 19920903