

Title (en)

Apertured locking disc for connecting devices of scaffolding elements.

Title (de)

Lochscheibe für Verbindungsvorrichtungen für Gerüstelemente.

Title (fr)

Rosace ajourée pour moyens de raccord d'éléments d'échafaudage.

Publication

**EP 0389933 A1 19901003 (DE)**

Application

**EP 90105278 A 19900321**

Priority

DE 3909809 A 19890324

Abstract (en)

The apertured locking disc (10) has a central bore (15) for the post and large known cotter apertures (20), and also approximately pear-shaped new cotter apertures (30) with cotter bearing faces (31). <IMAGE>

Abstract (de)

Die Lochscheibe (10) hat eine Zentralbohrung (15) für den Stiel und große bekannte Keil-Löcher (20) sowie etwa birnenförmig geformte neue Keil-Löcher (30) mit Keilanlageflächen (31).

IPC 1-7

**E04G 7/30**

IPC 8 full level

**E04G 7/26** (2006.01); **E04G 7/28** (2006.01); **E04G 7/30** (2006.01); **E04G 7/32** (2006.01)

CPC (source: EP US)

**E04G 7/307** (2013.01 - EP US); **E04G 7/32** (2013.01 - EP US); **Y10T 403/30** (2015.01 - EP US)

Citation (search report)

- [AD] DE 2449124 C3 19800103
- [AD] DE 3702057 A1 19880804 - LANGER RUTH GEB LAYHER [DE]
- [AD] FR 2553456 A1 19850419 - ROUX MARCEL [FR]
- [A] EP 0289825 A2 19881109 - HUENNEBECK ROERO GMBH [DE]

Cited by

CN104358397A; EP1820579A1; US9206618B2; WO2010045693A2; DE202017102638U1; DE202009008127U1; US8978822B2; WO9900564A1; DE202010013128U1; EP2466034A1; DE102010000472A1; WO2011100941A1; US8439166B2; DE102008006911A1; WO2009092340A1

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