

Title (en)

Building frames with sigma-profile

Title (de)

Gebäuderahmen mit Sigma-Profilen

Title (fr)

Cadres de profilés en sigma pour bâtiments

Publication

**EP 1031669 A1 20000830 (EN)**

Application

**EP 99200494 A 19990222**

Priority

EP 99200494 A 19990222

Abstract (en)

A method of making a frame is described which includes a main beam (6) and a plurality of secondary beams (8). The ends of the secondary beams (8) are connected to the main beam (6) by means of transverse tongues (10) which are intergral with and made from the same material as the main beam (6). The tongues (10) are preferably stamped out and bent either before or after the main beam profile (6) is formed. The frame is particularly suitable for making floors or intermediate platforms or ceilings in buildings. <IMAGE>

IPC 1-7

**E04B 1/24**; E04B 9/12; E04B 5/14; E04B 1/58

IPC 8 full level

**E04B 1/24** (2006.01); **E04B 1/58** (2006.01); **E04B 5/14** (2006.01); **E04B 9/12** (2006.01)

CPC (source: EP)

**E04B 1/24** (2013.01); **E04B 1/5818** (2013.01); **E04B 5/14** (2013.01); **E04B 9/127** (2013.01); **E04B 2001/2415** (2013.01); **E04B 2001/2448** (2013.01); **E04B 2001/2454** (2013.01); **E04B 2001/2457** (2013.01); **E04B 2001/2472** (2013.01)

Citation (applicant)

DE 3532846 A1 19870326 - STROER GERHARD

Citation (search report)

- [X] FR 2098274 A3 19720310 - BEHRING CORP [US]
- [X] DE 806388 C 19510614 - ALEXANDRE HOROWITZ
- [A] AU 2396177 A 19781012 - WEBB D C
- [A] FR 2366414 A1 19780428 - SLOWBE JOSEPH [US]
- [A] FR 2316399 A1 19770128 - ARMSTRONG CORK CO [US]
- [A] US 5720138 A 19980224 - JOHNSON DAVID L [US]

Cited by

EP2472192A3; CN110965652A; IT202200010154A1; EP1820917A1; US8523150B2; USD916327S; AU2009201751B2; EP2796630A1; EP3521780A1; WO2022223375A1; WO2007106923A1; WO2004022875A1; EP3521780B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)

**EP 1031669 A1 20000830**; **EP 1031669 B1 20091125**; AT E449887 T1 20091215; DE 69941674 D1 20100107; ES 2337638 T3 20100427

DOCDB simple family (application)

**EP 99200494 A 19990222**; AT 99200494 T 19990222; DE 69941674 T 19990222; ES 99200494 T 19990222