

Title (en)
CEILING CONSTRUCTION

Publication
EP 0169805 A3 19880511 (DE)

Application
EP 85810304 A 19850703

Priority
CH 346984 A 19840716

Abstract (en)
[origin: EP0169805A2] The columns (1) arranged in the manner of a grid are provided with a steel jacket (14) and their cavity is filled with concrete (13). Columns lying directly above one another are connected by a connecting sleeve (3) which rests at the bottom on a supporting ring (2) of the column (1). Horizontal girders (5) are penetrated by the columns (1) and the connecting sleeve (3). The horizontal girders (5) contain angle irons (4), on the horizontal shoulders (4a) of which ceiling profiled sheets (10) with grooves rest. Z-shaped profiled rails (9) are rigidly fixed to the ends of the horizontal girders and serve as supports for second ceiling profiled sheets (11) extending transversely to the first. The ceiling profiled sheets (10, 11) are covered by a layer of concrete cast in situ. Such a girder ceiling has a relatively high load-carrying capacity compared to its weight and, additionally, the ceiling profiled sheets (10, 11) form a permanent shuttering. <IMAGE>

IPC 1-7
E04B 5/36; **E04B 5/43**

IPC 8 full level
E04B 5/43 (2006.01); **E04C 3/34** (2006.01)

CPC (source: EP)
E04B 5/43 (2013.01); **E04C 3/34** (2013.01)

Citation (search report)
• [Y] DE 3116102 A1 19821118 - STAHLBAU LOEW GMBH & CO KG [DE]
• [Y] US 4024686 A 19770524 - GRONERT RONALD
• [A] DE 3206535 A1 19821209 - MAURER ALFRED
• [AD] CH 488883 A 19700415 - MAURER ALFRED [CH]

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EP 0169805 A2 19860129; **EP 0169805 A3 19880511**; CH 664785 A5 19880331

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