

Title (en)  
AUXILIARY APPARATUS FOR REMOVING CASINGS

Publication  
**EP 0091595 A3 19840725 (DE)**

Application  
**EP 83103011 A 19830326**

Priority  
DE 3213482 A 19820410

Abstract (en)  
[origin: US4520990A] A device which serves to temporarily and releasably connect two neighboring panels of a concrete form has two sections which are coupled to each other by a pivot pin, and two parallel projections each of which is carried by a discrete section. One of the projections is rigidly attached to the respective section, and the other projection is rotatable relative to its section and can be locked to the flange of one of the panels after passing through a keyhole-shaped opening of such flange. The other projection then extends into the opening of the flange which forms part of the other panel. The section for the non-rotatable projection is L-shaped and the other section is a link which can turn about the axis of the pivot pin. The non-rotatable projection is secured to the free end portion of one leg of the L-shaped section and the pivot pin connects the link to the free end portion of the other leg. When the projections are properly inserted into the openings of flanges of two neighboring panels, one of the panels can be moved along an arc about the pivot pin away from the surface of the poured and hardened concrete and is then ready to be fully separated from the remainder of the form in response to extraction of the respective projection from the opening of its flange.

IPC 1-7  
**E04G 19/00**; **E04G 17/04**

IPC 8 full level  
**E04G 17/04** (2006.01); **E04G 19/00** (2006.01)

CPC (source: EP US)  
**E04G 17/04** (2013.01 - EP US); **E04G 19/00** (2013.01 - EP US)

Citation (search report)  
[A] FR 2491115 A1 19820402 - MAIER JOSEF [DE]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 3213482 C1 19830601**; CA 1191361 A 19850806; EP 0091595 A2 19831019; EP 0091595 A3 19840725; US 4520990 A 19850604

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**DE 3213482 A 19820410**; CA 425388 A 19830407; EP 83103011 A 19830326; US 48041483 A 19830330