

Title (en)  
Crane safety apparatus

Title (de)  
Kransicherheitsvorrichtung

Title (fr)  
Dispositif de sécurité pour grue

Publication  
**EP 0614845 B1 19991020 (EN)**

Application  
**EP 94201063 A 19890406**

Priority  
• EP 89904237 A 19890406  
• JP 33019788 A 19881227

Abstract (en)  
[origin: EP0614845A2] A crane safety apparatus for displaying a schematic diagram of a part of a crane mechanism on a two-dimensional screen dynamically as the crane mechanism is operated, and displaying on the same screen a predetermined operation zone as a visually discriminative zone pattern. The operation zone pattern is displayed on the screen in response to the key command by an operator during a selected crane operation mode, while referring to the schematic crane mechanism diagram currently displayed on the screen. <IMAGE>

IPC 1-7  
**B66C 23/90**

IPC 8 full level  
**B66C 13/18** (2006.01); **B66C 13/46** (2006.01); **B66C 15/00** (2006.01); **B66C 23/88** (2006.01); **B66C 23/90** (2006.01)

CPC (source: EP KR)  
**B66C 13/46** (2013.01 - KR); **B66C 23/90** (2013.01 - KR); **B66C 23/905** (2013.01 - EP)

Citation (examination)  
• JP H06127896 A 19940510 - DAIYU KK  
• US 3238521 A 19660301 - MINOGUE JOHN C

Cited by  
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