

Title (en)  
EFFORT-LIMITING REDUCER FOR THE LIFTING GEAR OF A SELF-LIFTING PLATFORM

Publication  
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Application  
**EP 81430039 A 19811102**

Priority  
FR 8024386 A 19801110

Abstract (en)  
[origin: US4480491A] A force limiting gear reducer for a lifting pinion of self-elevating platform, comprising a gear reducer divided in two parts, a first of said parts being directly connected to a pinion shaft and pinion support and a second said part comprising a shaft-mounted prime reducer with brake and motor connected to an input shaft of the first reducer, a reaction arm of the shaft-mounted prime reducer being connected to a fixed point of a jacking mechanism by means of at least one hydraulic cylinder, means to control the oil pressure in the hydraulic cylinder, and abutments limiting the stroke of the hydraulic cylinder.

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**E02B 17/08; F16H 57/02**

IPC 8 full level  
**F16H 19/04** (2006.01); **B66F 3/02** (2006.01); **E02B 17/04** (2006.01); **E02B 17/08** (2006.01); **F16H 57/02** (2006.01); **F16H 57/10** (2006.01)

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Citation (search report)  
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• [A] NL 7804479 A 19791030 - VEROLME MASCHF ENGINEERING COM  
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