

Title (en)  
Hydraulic excavator

Title (de)  
Hydraulischer Bagger

Title (fr)  
Pelle hydraulique

Publication  
**EP 1091049 B1 20040114 (EN)**

Application  
**EP 00121772 A 20001005**

Priority  
JP 28703899 A 19991007

Abstract (en)  
[origin: EP1091049A2] There are provided a excavator body, a cabin provided on the upper surface, a work attachment mounted on the front part of said excavator body, and railings and roof supports forward of the cabin and rearward of a boom constituting the work attachment, the boom being arranged not to interfere with the roof supports in the whole rising and falling operating range over the whole swing operating range. Thereby, the maximum stand-up angle of he boom is enlarged to a specification angle, and the minimum rotating radius of the upper construction body including the work attachment is reduced to secure necessary railing function, enabling installation of a roof naturally in a minimum space. <IMAGE>

IPC 1-7  
**E02F 9/08**; **E02F 9/16**

IPC 8 full level  
**E02F 3/32** (2006.01); **E02F 9/08** (2006.01); **E02F 9/10** (2006.01); **E02F 9/16** (2006.01); **E02F 9/20** (2006.01); **E02F 9/24** (2006.01); **E02F 3/34** (2006.01)

CPC (source: EP KR)  
**E02F 3/325** (2013.01 - EP); **E02F 9/08** (2013.01 - EP); **E02F 9/10** (2013.01 - KR); **E02F 9/16** (2013.01 - KR); **E02F 9/163** (2013.01 - EP); **E02F 9/2033** (2013.01 - EP)

Cited by  
US2013149095A1; US9139980B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1091049 A2 20010411**; **EP 1091049 A3 20020403**; **EP 1091049 B1 20040114**; AT E257875 T1 20040115; DE 60007703 D1 20040219; DE 60007703 T2 20041202; JP 2001107389 A 20010417; JP 3638831 B2 20050413; KR 100406854 B1 20031121; KR 20010039982 A 20010515

DOCDB simple family (application)  
**EP 00121772 A 20001005**; AT 00121772 T 20001005; DE 60007703 T 20001005; JP 28703899 A 19991007; KR 20000058068 A 20001004