Title (en)
Grab bucket

Title (de)
Schalengreifer

Title (fr)
Benne preneuse

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Application
EP 01309894 A 20011123

Priority
JP 2000357647 A 20001124

Abstract (en)
A grab bucket having a grab (1) formed of shells (2) opposed to each other, a lower frame (3) for pivotably supporting the shells, an upper frame (5) placed above the lower frame and connected with the shells through the suspending arms (4), an intermediate movable frame (7) placed between the upper and lower frames and connected with the lower frame through a hydraulic cylinder (6) with a piston (6b), and a wire rope (8) for suspending and closing the grab is provided with a by-pass passage (25) for connecting the upper end portion of the hydraulic cylinder with the cylinder body of the hydraulic cylinder. Through the by-pass passage, an oil in an upper chamber defined above the piston (6b) flows into a lower chamber defined below the piston, thereby to accelerate the movement of the piston in the hydraulic cylinder. Thus, the scrap or other objective materials grabbed by the grab bucket of the invention can be efficiently thrown off by vibration and the action of inertia of the objective materials only by fully opening the grab. <IMAGE>

IPC 1-7
E02F 3/28; B66C 3/06; B66C 3/16

IPC 8 full level
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CPC (source: EP)
B66C 3/06 (2013.01); **B66C 3/16** (2013.01); **E02F 3/47** (2013.01)

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