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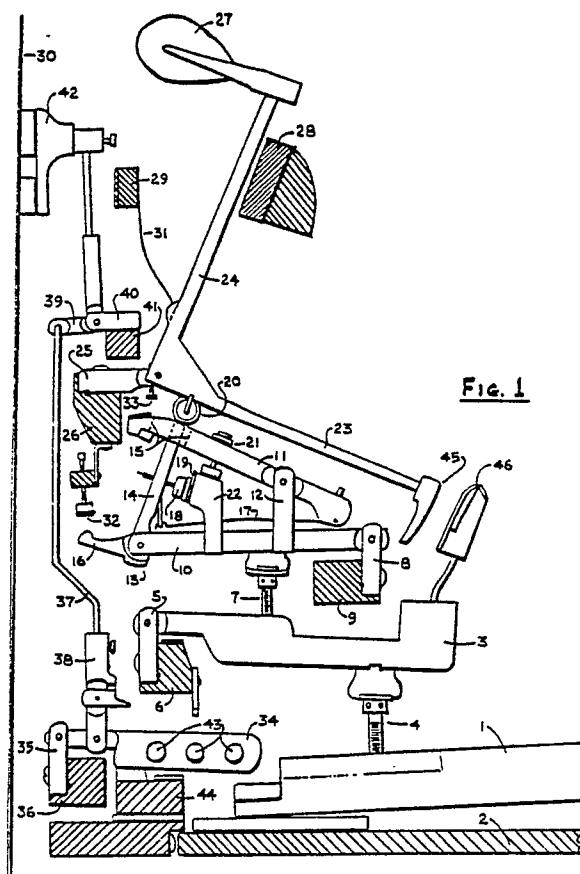
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MEWBURN ELLIS & CO. 2/3 Cursitor Street
London EC4A 1BQ(GB)(54) **Action for upright piano.**

(57) An action for an upright piano which emulates or simulates the action of a grand piano is provided. In the action, a back check lever (3) is positioned above the back of the key, and a grand piano whippen is positioned above the back check lever (3). The grand whippen acts on a knuckle (20) provided on a catcher arm (23) integrally connected with the hammer shank (24) at a substantial angle. Depression of the key produces upward movement of the back (1) of the key, the back check lever (3), and the grand whippen, in turn producing rotation of the catcher arm (23) which drives the hammer (27) towards the string (30). The catcher arm (23) has a catcher (45) at its forward end and the back check lever (3) has a back check (46) for catching the catcher after the hammer has rebounded from the string. A damping action is mounted independently from the hammer action.

**Fig. 1****EP 0 259 060 A3**



EP 87 30 7330

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	DE-C- 69 194 (MERSMAN et al.) * Figures 1,2 *	1	G 10 C 3/16
Y	---	2	
X	DE-C- 529 922 (HOFMANN) * Figure 1 *	1	
Y	---	2	
Y	GB-A- 439 144 (TRIUMPH AUTO PIANOS) * Page 8, lines 6-21; claim 16 *	2	
A	---	3,5	
A	DE-C- 107 352 (MURDOCH et al.) * Figure 1 *	3,5	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	---	2	
A	US-A-2 277 077 (DASENBROOK) * Page 2, column 2, lines 21-26; figure 1 *	2	G 10 C

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-04-1989	Examiner ANDERSON A.TH.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			