CLAIMS

1) A mechanical work sampling system (10) for the operation of extensions articulated in vehicular applications; the system is susceptible of being applied on a tracked vehicle (30) and comprises at least a supporting arm (40) and a secondary track (22; 23) associated to said supporting arm (40); said supporting arm (40) being configurable in rotation configuration within which it rotates with respect to a first end (41) through a sampling of work from a propulsor of said tracked vehicle (30).

2) System according to claim 1, wherein said supporting arm comprises another configuration within which it is fixed with respect to said tracked vehicle (30).

3) System according to claim 1, wherein said supporting arm (40) comprises also a second end (42) opposed with respect to said first end; said system (10) comprising also a first and second wheel (44, 45), positioned respectively upon said first and second end (41, 42) and upon which it is installed said secondary track (22; 23).

4) System according to claim 1, comprising also friction means susceptible of being coupled to an end of said supporting arm (40).

5) System according to claim 4, wherein said friction means comprise at least a pulley (70).

6) System according to claim 5, wherein said pulley (70) comprises a truncated conical section (71a)

and wherein said supporting arm (40) has on its end a body (41a) ending with a truncated conical section; said truncated conical section (71a) of said pulley (70) and said truncated conical section (41b) of said body (41a) being susceptible of mutually coupling in use.

7) System according to claim 6, wherein said truncated conical section (71a) of said pulley (70) and said truncated conical section (41b) of said body (41a) are respectively of male and female type or of female and male type.

8) Tracked vehicle (30), comprising a mechanical work sampling system (10) for the operation of extensions articulated in vehicular applications according to claims 1-7.

9) Tracked vehicle (30) according to claim 8, particularly designed for the overcoming steps and ramps, comprising a couple of main tracks (21) each one installed on at least a couple of wheels, and wherein for each wheel of said couple of wheels of each of said main tracks (21) is installed a system (10) according to claims 1-7.

10) Tracked vehicle according to claim 8, susceptible in used of moving on a ground (100), and wherein said supporting arm (40) of said system (10), in said rotation configuration, varies an angle (α) between itself and said ground (100).

CLAIMS

1) A mechanical work sampling system (10) for the operation of extensions articulated in vehicular applications; the system is susceptible of being applied on a tracked vehicle (30) and comprises at least a supporting arm (40) and a secondary track (22; 23) associated to said supporting arm (40); said supporting arm (40) being configurable in rotation configuration within which it rotates with respect to a first end (41) through a sampling of work from a propulsor of said tracked vehicle (30);
said system comprises friction means susceptible of being coupled to an end of said supporting arm (40);
said friction means comprise at least a pulley (70);
said system is characterized in that said pulley (70) comprises a truncated conical section (71a) and wherein said supporting arm (40) has on its end a body (41a) ending with a truncated conical section; said truncated conical section (71a) of said pulley (70) and said truncated conical section (41b) of said body (41a) being susceptible of mutually coupling in use.

2) System according to claim 1, wherein said supporting arm comprises another configuration within which it is fixed with respect to said tracked vehicle (30).

3) System according to claim 1, wherein said supporting arm (40) comprises also a second end (42) opposed with respect to said first end; said system (10) comprising also a first and second wheel (44, 45), positioned respectively upon said first and second end (41, 42) and upon which it is installed said secondary track (22; 23).

4) System according to claim 1, wherein said truncated conical section (71a) of said pulley (70) and

said truncated conical section (41b) of said body (41a) are respectively of male and female type or of female and male type.

5) Tracked vehicle (30), comprising a mechanical work sampling system (10) for the operation of extensions articulated in vehicular applications according to claims 1-4.

6) Tracked vehicle (30) according to claim 5, particularly designed for the overcoming steps and ramps, comprising a couple of main tracks (21) each one installed on at least a couple of wheels, and wherein for each wheel of said couple of wheels of each of said main tracks (21) is installed a system (10) according to claims 1-4.

7) Tracked vehicle according to claim 5, susceptible in used of moving on a ground (100), and wherein said supporting arm (40) of said system (10), in said rotation configuration, varies an angle (α) between itself and said ground (100).